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PARK'S FLORAL MAGAZINE

VOL. XXXV.

LIBONIA, FRANK. CO., PA., JUNE, 1899.

No. 6.

Circulation Bulletin . . . FOR APRIL: Number of copies mailed of Park's Floral Magazine, as indicated by Postoffice receipts **401,079**
FOR MAY: Number of copies printed of Park's Floral Magazine, as indicated by press counters **362,500**

Address all advertising communications to **THE ELLIS COMPANY, Advn'g Managers,**
713-718 Temple Court, New York, N. Y.



CHOICE PLANTS AS A PREMIUM.

For 25 cents sent me before July 20th I will send PARK'S FLORAL MAGAZINE one year and the following collection of Choice Plants as a premium:

Ruellia Makoyana, the new species prized for its superbly variegated foliage and bright rose flowers. As easily grown as a Coleus. A lovely pot plant. See engraving.
Phlox, Boule de Feu, the most showy and admired of all the sorts of Perennial Phlox. Flame-colored flowers in great panicles. Makes a gorgeous clump or bed. Perfectly hardy. Increases in beauty each year.
Plumbago capensis alba, a grand pot or bedding plant, bearing large clusters of lovely white flowers, individually shaped like a Phlox, but larger. Blooms continuously. Fine window plant, winter or summer.
Begonia Thurstont, one of the most beautiful of foliage Begonias. Leaves rich, shining, bronzy green with red under-surface, fresh and crisp. One of the easiest grown and most satisfactory of Begonias.
Canna Austria, one of the largest-flowered of the new Cannas, vigorous in growth, and useful either as a lawn plant or for a pot in the window. Flowers lovely yellow, of fine texture, produced in large spikes.
Coleus, Leopard, the most attractive variety for the window. Every leaf spotted or blotched carmine and gold upon a bronzy green background, and as richly-colored as a flower. An exquisite pot plant.
Tuberose, blooming-size, a sound, plump bulb that will bloom in the window if started during June or early July. Pot and keep well watered and in a partial shade during summer. Shift as required.

SUBSTITUTES.—If you have any of the above, select a substitute from the following: Mexican Primrose, Boston Smilax, Begonia foliosa, Begonia multiflora, Double Alyssum, Double Daisy, Matricaria, Spotted Gem Coleus. If already a subscriber give the name of a flower-loving friend to whom to send the MAGAZINE, or if preferred I will add a plant, my choice, instead of MAGAZINE.

The plants of this premium are all choice ones, in good condition. I feel assured they will please all who receive them. I pay postage and guarantee their safe arrival. Mars Geranium added for club of two. Address

GEO. W. PARK, Libonia, Franklin Co., Pa.

Grand Perennials.

SOW THEM NOW.

TO encourage new and renewed subscriptions to the MAGAZINE as well as the general culture of the beautiful perennial flowers which last for years and bloom gorgeously in spring and early summer, before the annuals have budded, I make this special Premium offer: For only 10 cents I will mail this MAGAZINE three months and fourteen packets seeds of the finest cultivated perennials, as follows:

Arabis alpina, lovely edging perennial, early and free blooming. Flowers pure white in fine clusters.

Bellis perennis, Daisy, Improved Large-flowered Double, lovely large blooms in all shades from white to red.

Campanula, Bell Flower, 15 kinds, double and single, all sorts and colors in splendid mixture.

Carnations, Pinks and Picotees, choicest double in great variety including Margaret, Bedding, Cyclops and other superb sorts, all finest imported seeds from France and Germany.

Delphinium, perennial, including *D. formosum*, *D. elatum*, and all the new perennial sorts, a superb mixture.

Digitalis, Foxglove, splendid mixture of all the best varieties, including the new Monstrosus; also Ivory's Spotted, which bears fine spikes of spotted flowers.

Linum perenne, exceedingly lovely hardy perennials, all colors in fine mixture.

Matricaria, elegant Feverfews, hardy, double and exceedingly floriferous. The mixture includes the charming *M. capensis alba*, *M. corymbosa*, and many other grand sorts.

Myosotis, Forget-me-not, finest mixture. Exquisite hardy plants, bearing a mass of delicate bloom in early spring.

Pansy, Giant-flowered, special mixture of all shades; seeds of extra quality; sure to produce immense flowers in a gorgeous array of colors.

Pentstemon, finest mixture of exquisite hardy varieties; flowers of various colors and exquisitely beautiful.

Rocket, Sweet, in finest mixture of all kinds and colors. Very beautiful and very fragrant flowers in great Phlox-like panicles.

Sweet William, the new large-flowered, richly-variegated kinds, of all colors, single and double, including the new Harlequin, which has white flowers, rose flowers and rich red ones in the same cluster.

Wall Flower, Early Parisian, a very fragrant and beautiful early-blooming sort; recommended for winter-blooming in pots, and spring-blooming outdoors.

The MAGAZINE is well worth more than the sum asked, while the perennials you will find perfectly hardy and the choicest of flowers. Order and sow at once. If the seeds are sown this month you will rejoice in their bloom and beauty next season. Cultural directions in each package. Be sure to call for "Grand Perennials" to avoid mistake in sending the premium.

Get Up a Club.

Every flower-lover should subscribe for the MAGAZINE upon the above offer. I hope everyone who reads this will try to send a few names with his or her own. Samples and Blank Lists free. As an acknowledgment of the efforts of friends I will mail one of the following choice hardy perennials for each trial subscription sent with your own, or all for club of ten:

Adonis vernalis, lovely yellow-flowered perennial.

Alyssum saxatile compactum, lovely yellow clusters; known as Gold Dust.

Carnation, finest double bedding sorts in mixture; hardy and very fragrant.

Clove Pink, Old-fashioned Double in finest colors; hardy; very fine for beds.

Chrysanthemum inodorum, double white, daisy-like bloom; very pretty.

Larkspur, New Yellow, *Delphinium sulphureum*, grand new orchid-like sort.

Hollyhock, finest mixture, very double, beautiful.

Polemonium, Jacob's Ladder, a superb mixture, flowers mostly blue.

Eupatorium roseum, elegant, large cosmos-like flowers of various colors.

Blennials and Perennials, superb mixture, 100 of the best varieties.

Now is the time to sow these seeds; now is the time to subscribe. Ask your neighbors and friends to subscribe. Act at once. Don't wait a day. Address

GEO. W. PARK, Libonia, Franklin Co., Pa.



MATRICARIA—FEVERFEW.



CAMPANULA.



SWEET WILLIAM.



CARNATION.



FRENCH PICOTEE.



SWEET ROCKET.



DIGITALIS.



PENTSTEMON.



No. 521—Canopy-Top Duplex Wagon, with curtains all around, storm apron and pole or shafts. Price \$50, as good as sells for \$80.

Satisfaction Guaranteed

We feel so certain of our ability to satisfy you both as to quality of goods and price that we do not hesitate to ship for inspection, guaranteeing satisfaction. We are further justified in this position by our 25 years of experience. Could anything be more fair!

We are the largest manufacturers of vehicles and harness in the world selling to the consumer exclusively.

WE HAVE NO AGENTS.

We have no desire to increase the cost to you by this or other means; hence we sell you direct from our factory at wholesale prices. We are not jobbers or dealers. We make everything we sell. Largest selection—170 styles of vehicles, 65 styles of harness.



No. 145—Double Spring Wagon Harness. Price \$20.75; as good as retails for \$28.

SEND FOR LARGE FREE ILLUSTRATED CATALOGUE.

Elkhart Carriage and Harness Mfg. Co., W. B. Pratt, Sec'y, Elkhart, Indiana.

When answering this advertisement please mention Park's Floral Magazine.

A CYCLAMEN'S SCHEME.

A Cyclamen sat on a sill,
And pondered deep and long,
"I'm but a homely bulb," said he,
"Although I'm fat and strong.
I have some blossoms rolled up here
To make the family stare,
It takes so long to bring them out
I fear they will despair.

"If I could give them something nice
To see in the meanwhile,
Perhaps they'd let me keep my place
Nor think me quite so vile.
I know! I'll get the nicest leaves
That ever I can find,
And when they think to throw me out
Perhaps they'll change their mind.

"For fear that they may tire of leaves,
The queerest buds I'll get,
In shape just like a blind duck's head,
And then I'll cease to fret;
And when they all are quite convinced
That leaves and buds are gems,
I'll hold up high above them all
My flower diadems."

Said Mary, "What exquisite blooms!"
Said John, "The leaves I like."
Said Jack, "Those queer-shaped buds, I think
The most my fancy strike."
But little Nell put out her hand,
And gave the bulb a pat,
"I like," said she, "the most of all
The bulb so brown and fat."

And so the modest Cyclamen,
By doing just his best,
Succeeded well in everything,
And stood a fourfold test.

Medina Co., O., Jan. 21, 1899.

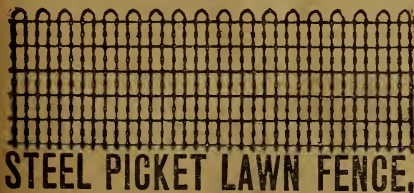
Dame Durden.

JUNE.

June, sweet June,
June, sweet June,
June is the month when the Roses bloom;
O, to you,
O, to you,
Forever will I be true.

Allen Co., O.

Lizzie Mowen.



STEEL PICKET LAWN FENCE,

steel gates, steel posts and rail, also Field and Hog Fence Wire, single and double farm gates. For further information, write to the

UNION FENCE CO., De Kalb, Ill.

MENTION PARK'S FLORAL MAGAZINE

Boys & Girls



We are giving away watches, cameras, solid gold rings, sporting goods, musical instruments & many other valuable premiums to boys and girls for selling 18 packages of Royal English Ink Powder at 10c each. Every package makes 50c worth of fine ink. We ask no money—send your name and address, and we will forward you 18 packages with premium list and full instructions. When you sell the Ink Powder send the money to us and select your premium. This is an honest offer. We trust you. Don't lose this grand opportunity. Write for the outfit today. Address all orders to Imperial Ink Concern, 83 Adams St. Oak Park, Ill.

MENTION PARK'S FLORAL MAGAZINE



"A MOLE on the Neck, Money by the Peck."

but there is no money in having a mole in your garden or on your lawn. Don't have them. Catch them with the

"OUT-O-SIGHT" Mole Trap.

Every trap has our guarantee to catch. Sample trap 85c. by mail or, have your dealer order for you.

ANIMAL TRAP CO.

9 Peck St., Abingdon, Ill.



MENTION PARK'S FLORAL MAGAZINE

EARN A BICYCLE!



By selling Baker's Teas among your neighbors, a total of 100 lbs. for Bicycle; 50 lbs., Waltham Gold Watch; 25 lbs., Silver Watch; 10 lbs., Crescent Camera or Gold Ring. Express prepaid. Write for Catalogue, Order Sheet, &c. W. G. BAKER, Dept. AR, Springfield, Mass.

\$3 a Day Sure

Send us your address and we will show you how to make \$3 a day absolutely sure; we furnish the work and teach you free; you work in the locality where you live. Send us your address and we will explain the business fully, remember we guarantee a clear profit of \$3 for every day's work, absolutely sure, write at once. ROYAL MANUFACTURING CO. Box 667, DETROIT, MICH.

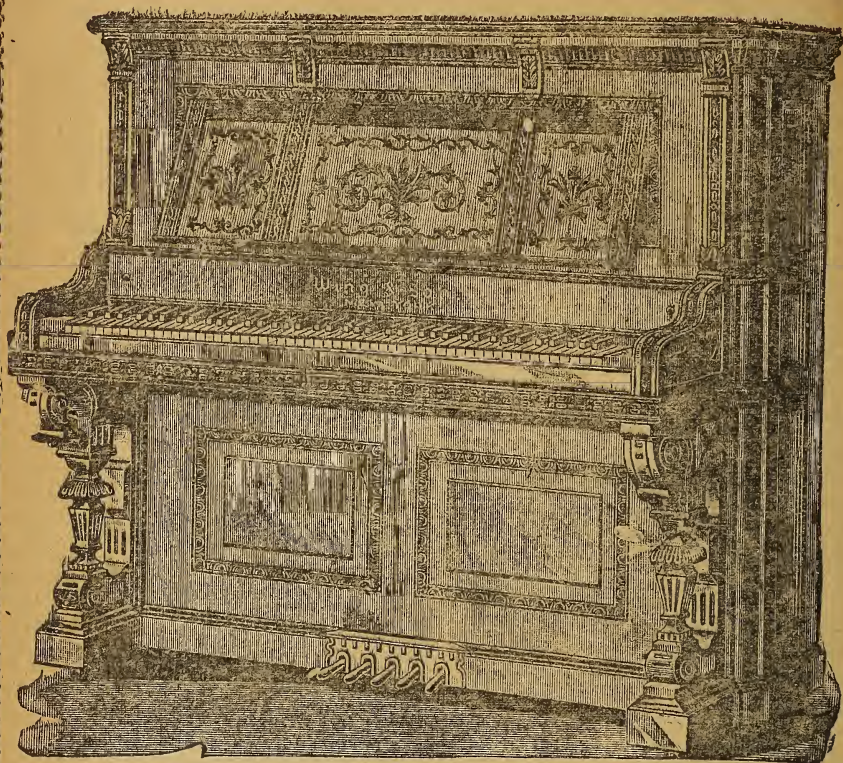
PLAYS

Dialogues, Speakers for School, Club and Parlor. Catalogue free. T. S. DENISON, Publisher, Chicago, Ill.

G. C. S. A. MONEY Valuable Information Free. LEE CO. NEW YORK CITY.

THE WING PIANO

Style 29, Concert Grand Upright



The Style, Design, and Finish of Case of this Piano is more elaborate and elegant than that of any other piano made

THE INSTRUMENTAL ATTACHMENT

We desire to call special attention to this improvement. The instrumental attachment enables any ordinary player to imitate perfectly the tone of the mandolin, guitar, harp, zither, and banjo. Music written for these different instruments, with and without piano accompaniment, can be rendered just as acceptably by a single player on the piano as though played by a parlor orchestra.

Every Wing Piano is guaranteed for twelve years against any defect in tone, action, workmanship, or material

SENT ON TRIAL. FREIGHT PREPAID. We will send the above piano, or your choice of four other styles, to any part of the United States on trial (all freight paid by us), allow ample time for a thorough examination and trial in the home, and, if the instrument is in any particular unsatisfactory, we will take it back at our own expense. No conditions are attached to this trial. We ask for no advance payment; no deposit. We pay all freights in advance. Our object in offering these terms is to give every one an opportunity to examine the Wing Piano free of expense or risk.

OVER 18,000 WING PIANOS MANUFACTURED AND SOLD IN 30 YEARS (SINCE 1863)

SPECIAL ATTENTION: We will send free on request "The Book of Complete Information About Pianos," 118 pages, handsomely bound in cloth. Nothing like this book has ever been published before. It is a complete library in itself. Every one who intends to purchase a piano should have it. Sent free on request with twelve (12) pieces of music.

Old Instruments Exchanged
Easy Payments

WING & SON 420-422 West 13th Street,
NEW YORK, N. Y.

1868—30th Year—1898

PARK'S FLORAL MAGAZINE.

A MONTHLY JOURNAL OF FLORICULTURE.

Vol. XXXV.

Libonia, Pa., June, 1899.

No. 6.

TO THE ROSE.

Fair queen of Flora's kingdom,
Reign on with radiant grace;
None shall secure thy title,
No other win thy place.

Belmond. Ia.

Mildred Merle.

COLEUS AS WINDOW PLANTS.

FOR window decoration in the summer there are few plants that equal the newer varieties of Coleus. Some have immense tropical leaves, with distinct blotches or margins, and often with gorgeously colored ribs or mid-veins. Others have lacinated foliage with attractive colors in charming contrast, and still others have solid colors ranging from golden yellow to almost jet black. Well-grown and tastefully arranged the plants are exceedingly showy in a window, and deserve to be generally cultivated.

All of the Coleus are easily grown. The seeds start readily, and if of good quality a great variety of rare and attractive plants can be quickly produced from a single packet, while almost every cutting placed in sand will often show roots in less than a week after they are inserted. To raise good plants pot in three-inch pots, pinch out the central shoot when a few inches high, and when the side branches have made a little growth treat them in the same way shifting into larger pots as the plants grow to give the roots room to develop, and to provide abundant nourishment. Porous soil, good drainage and abundant water and sunshine are essential. Keep pinching and shifting from time to time and the plants will become great pyramidal masses of gorgeous color, ad-

mired by all who see them. Syringe with soap-suds weekly to keep the mealy bugs from becoming troublesome.

Tuberose.—To those favored dwellers in the South who can raise Tuberose as easily as Gladiolus, I have nothing but congratulations to offer. After repeated attempts, I had almost come to the opinion of the florist who advised me to "give it up as a bad job; they won't succeed in this climate." Nevertheless the following spring I included in my order, six Tuberose, Dwarf Excelsior Pearl. In due time they arrived; three were carefully potted singly in six-inch pots, in the state in which they arrived. Having read or heard some where of the plan, I took a sharp knife and took a generous slice off the bottom of the three remaining bulbs, planted them together in a ten-inch pot of rich soil, and awaited results. All grew, and for a time, I hoped for equal success from all my bulbs, but in a few weeks, the ones I had ill-



NEW FANCY LEAVED COLEUS.

treated shot ahead, and each one of these produced a magnificent spike of blossoms. Dwarf? Well if you call three feet dwarf; but I was not inclined to quarrel with them on that account. The blossoms were so large and perfect. The other bulbs never bloomed.

Mrs. J. G. A.

Vancouver, Canada, Feb. 21, 1899.

Seedling Cyclamen.—In April, 1897, I sowed a packet of mixed Cyclamen seeds. In September, 1898, one began to blossom, and this January it had eight white blossoms at one time. A number of the plants have blossomed since. I find that the plants do best to remain in the first soil, without transplanting.

A. J. Hickok.

Steuben Co., N. Y., Mar. 3, 1899.

Park's Floral Magazine.

A MONTHLY. ENTIRELY FLORAL.

GEO. W. PARK, Editor and Publisher,
LIBONIA, FRANKLIN COUNTY, PA.

CIRCULATION.—The actual circulation, proven when required, is 350,000 copies monthly. No free distribution to promiscuous lists of names. Advertising offices 713-718 Temple Court, New York, N. Y., The Ellis Company, Managers, to whom all communications about advertising should be addressed.

SUBSCRIPTION PRICE, 25 cents a year, prepaid.

THE EDITOR invites correspondence with all who love and cultivate flowers.

Entered in the Post Office at Libonia as Second Class Mail Matter.

JUNE, 1899.

Pink Lily of the Valley.—In

Mexico the native fakirs offer fine spikes of Tuberose bloom in all shades from white to deep pink, as well as variegated. If you enquire about the coloring they will assure you that the colors are naturally produced, and offer you, at a high price, bulbs which are sure to bear the colored flowers. They might offer variegated pink sprays of Lily of the Valley as well, and if you wish to know the secret just place the stems of a few sprays into a bottle containing cardinal red ink. In two or three hours you will have novel blooms of Lily of the Valley for personal adornment. The same "trick" may be successfully employed in coloring other flowers of similar character.

Spirea Van Houtte.—Certainly the most beautiful of all the shrubby Spireas is Spirea Van Houtte. It is perfectly hardy, enduring the most severe winters safely, and producing dense, graceful wreaths of exquisite white bloom in May. The plants are easily transplanted and quickly come into bloom. A small plant set out this season will bear a few clusters of bloom next spring, and increase in beauty each season. The long, charming sprays are fine for cutting for table decoration, and the plants arranged in a group make a superb mass of bloom for either lawn or cemetery. Be sure to place this grand shrub on your list of "must haves."

Night-blooming Cereus.—An enquirer has a Cactus eight years old which is seven inches high and four inches around. The plant from which it was started would bear three flowers in a night, but this one has not yet bloomed. She wants to know if it is a Night-blooming Cereus, and why it does not bloom. The plant is probably a species of Mammillaria, and not of Cereus. Plunge the pot in a sunny place in summer, and water well while growing. It will doubtless bloom when of sufficient size and age.

LOBELIA FOR BASKETS.

IF you wish a beautiful hanging basket of charming blue flowers sow a packet of seeds of Royal Purple or Barnard's Perpetual Lobelia. The seeds are very small, and must be sown in pressed rows of sifted soil, without covering. Sow in a pot, and water by placing in a saucer of water till the soil is moist, keeping the pot covered with a thick paper and in a shady place till the plants appear. After germination avoid strong sunshine, wind and rain until the plants are well established. A half dozen plants are sufficient for a basket, and if started this month the seedlings will make handsome blooming plants by the time they are wanted for the window in late autumn and early winter. The little wood engraving shows a spray of the purple bloom.



LOBELIA.

Seedling Gloxinias.—The little seedling Gloxinias are very delicate when they first appear, and if exposed to wind or sunshine or storm will wither and die. Keep the soil moist but not wet till the second set of leaves come, then pick the plants out with the point of a fine-bladed knife, and set them an inch apart in a shallow tray. When they have made a satisfactory growth here, and begin to crowd, pot them in three-inch pots. Use soil of a loose, porous nature, and see that drainage is good. Seedling plants started in the spring will become blooming plants by autumn.

Calceolarias.—These are not always successfully cultivated from seeds by the ordinary amateur florist. The seeds start readily, but the plants like a cool, moist situation, and sometimes suffer during the heat of summer. Start in small pots, shifting to larger ones as they grow. Use rich, porous, well-drained soil, and water regularly. The plants are sometimes troubled with green lice, which can be destroyed by fumigating with tobacco occasionally, or by dusting with tobacco or pyrethrum powder. Seedlings started in the spring will bloom early the next spring.

Buttercups.—The little golden, glossy-petaled flowers found in meadows and damp places during the spring months, known as Buttercups, are of species of Ranunculus. The species can be determined from the descriptions given in a field botany

THE RED-BUD TREE.

CERCIS CANADENSIS is a hardy native shrub found in rocky places in Pennsylvania and other States. It is generally known as Red-bud, because the buds, which swell early in spring, develop into lovely clusters of pink bloom (not unlike miniature birds—see engraving), and these are so freely disposed along the branches that the whole becomes a “flaming bush” which may be seen for miles. As the flowers fade the leaves develop, and clothe the branches with a dense mass of verdure. Later the long, bronze, drooping, bean-like clusters of seeds hang gracefully in great numbers from the branches, and add to the ornamental character of the tree. Ordinarily the Red-bud is a companion of the Wild Plum, attaining about the same size, assuming the same form, and blooming at the same time. Where nature has grouped the two trees together, as we often find, there is a glorious display of pink and white flowers in beautiful contrast, appearing in the distance like a giant bouquet. At a few homes we find the *Cercis canadensis* cultivated as an ornamental tree, but as yet its beauty has not been recognized as it deserves. We bespeak for it the popularity as a decorative tree to which it is entitled.



Chestnut Trees From Seeds.—

To grow Chestnut Trees from seeds the chestnuts or seeds should be obtained in the autumn, as soon as they ripen, and placed in boxes of moist sand or earth kept in a cool place during the winter. In the spring plant them an inch deep, in a partial shade, and they will soon germinate and grow. Let them remain till two or three feet high, then transplant to where the trees are to stand. In Southern Pennsylvania Chestnut trees grow tall and spreading, and bear nuts freely. In the Northern states they are dwarf and stunted in growth, and bear sparingly.

Rudbeckia.—The Golden Glow Rudbeckia is hardy when planted in spring or early summer, so that the plants get well established before winter. It is a very desirable perennial, easily grown, blooming freely in autumn, and not troubled by insects.

Sheep Manure.—This is one of the best fertilizers for plants. It is usually pulverized before applying. Avoid a too liberal application, as the material is very strong, and may prove injurious if too freely used.

TWO AUTUMN-FLOWERING SHRUBS.

HYDRANGEA PANICULATA bears huge panicles of showy white flowers throughout the latter part of summer and early part of autumn. The plants are perfectly hardy, and in rich soil become large, globular bushes which show a mass of snowy bloom every season. To get the best effect prune them severely early in the spring. The new, vigorous growth resulting develops the panicles of flowers. When used for cemetery adornment the plants are mostly cut back to three or four eyes. This keeps them dwarf, and promotes the development of gorgeous panicles. The plants are easily propagated from early spring cuttings.

Another autumn-blooming shrub of great beauty is *Hibiscus Syriacus*, commonly known as *Althea*. This, too, is perfectly hardy, and will thrive in any good soil. The flowers are not unlike a *Hollyhock* in appearance and size, while they are single and double in form, and of colors ranging from white to violet blue, as well as variegated. There is also a variety with handsomely variegated foliage. The plants are readily started from either seeds or cuttings, grow rapidly, and soon come into bloom. They grow from five to twelve feet high, are erect and dense in habit, and covered with their showy flowers during the latter half of the growing season, when there are few other shrubs in bloom. A group of the plants is always attractive. This shrub is not subject to insects, and its hardy and showy character should make it popular wherever an attractive, easily-grown, hardy, autumn-flowering shrub is desired.

White Lilac.—The white Lilac is not as free-blooming as the purple one, and in rich, moist alkaline soils sometimes produces only new growth and foliage. In such cases remove it to a sunny place where the soil is dryer and of poorer quality. This will ripen the wood and insure a setting of buds during the autumn.

A Good Compost.—A good compost for plants is made by piling up sods, sand and cow manure in equal layers and allowing it to lie for three or four months. If the weather is showery it need not lie so long. When partly rotted the pile should be forked over two or three times, mixing it thoroughly.

Callas Blasting.—When *Calla* buds fail to develop it is mostly because of insufficient drainage or lack of sunshine, or both combined. Repot in porous, well-drained soil and give a light, airy place exposed to the sun morning and evening.

CARE OF NASTURTIIUMS.

NASTURTIIUMS thrive in a good, sandy, moist soil. In such soil the plants enjoy the hot summer sunshine. They will not do well, however, if the soil is dry and the bed exposed to the sun during the heat of the day. In poor soil the growth is more dwarf and the bloom more free, but little can be expected unless the soil is kept moist. The larva of an insect, appearing as a large green "worm," sometimes devours the leaves. Sprinkling with water into which has been stirred Paris green will eradicate this pest, but it is generally better to pick the "worms" off by hand and destroy them, as many persons have a habit of eating the leaves. Under these conditions the application of such a rank, invisible poison to the foliage is very dangerous. To rid the soil of red ants, which sometimes become troublesome about the roots of Nasturtiums, insert little pieces of gum camphor under the surface.

Propagating Clematis and Calycanthus.—Clematis Jackmanii is propagated by grafting, by inserting cuttings in sand, and by seeds. The seeds are tardy in starting, often requiring two years to germinate. If you wish to start a plant for a friend it is better to do it by layering. The Calycanthus or Sweet Shrub is propagated by cuttings made of the roots. Chop the larger roots into pieces an inch or two in length, and place them thickly in a tray of sandy loam, covering about half an inch deep. Keep moist and in a moderately warm place, and almost every piece will throw up a sprout and become a plant.

Starting Cactus Seeds.—Sow seeds of Cactus and treat them just as you would Balsam and other flower seeds. Avoid watering too freely. Give partial shade after the plants appear until well established. Transplant into sandy soil, and give more room and a sunny place as the plants advance.

A Fly on Seedlings.—The little fly that sometimes troubles seedling plants can be eradicated by dusting with fine tobacco dust. The little black beetle, sometimes erroneously called a fly, will disappear if the plants are dusted with wood-soot.

Asparagus and Peperomia.—Asparagus plumosus and Striped Peperomia do well in partial shade. The former, however, prefers a rather cool situation, while the latter delights in heat, and will bear much exposure to the sun's rays.

Lily of the Valley.—The time to get and plant Lily of the Valley is in the months of November and December.

PERISTROPHE ANGUSTIFOLIA VARIEGATA.

ONE of the prettiest of foliage plants for a sunny border in the South, or for a window in the North, is this Peristrophe. It loves heat and sunshine, and in such a position, if well watered, it will grow freely and make a lovely display as a foliage plant throughout the summer. In winter it is one of the most reliable of our



blooming plants, its curious little carmine flowers appearing almost constantly.

The plants are propagated from cuttings inserted in sand. When rooted these are potted in porous soil in three-inch pots, and shifted as more root room is required. Water freely, keep in a sunny window, and avoid chilling draughts of air and a low temperature. It is a tropical plant, coming from Southern Africa, and its chief requirements are heat and sunshine. It is an Acanthad, and nearly related to the Justicia, Strobilanthes and other plants valued as decorative plants.

Swainsonia.—This plant delights in a compost of peat and loam, with good drainage. If peat cannot be obtained a fibrous soil will answer, prepared by piling sods, manure and sand, and allowing the pile to remain undisturbed until partially rotted, stirring well before using. Pot the young plants in this material, using three-inch pots, and pinch back the shoots and shift into larger pots as growth progresses. Shade in the heat of the day during summer, and syringe regularly to keep down the red spider. If aphides appear fumigate with tobacco. Give support as needed. With good drainage, regular supplies of water, and attention to the above cultural hints none should have reason to complain of non-blooming.

ORNAMENTAL CLIMBERS.

NOTHING adds more to the grace and beauty of one's surroundings than the generous use of climbing vines. If the home is likely to be a permanent one no more satisfactory investment can be made than the purchase of Clematis, Wisteria and Honeysuckle, with the Climbing Roses best suited to the climate. Gloire de Dijon stands unrivalled as a climbing Rose for this locality. Its exquisite coloring, rich foliage, and profusion of bloom, lasting well into the fall months, make it a most desirable acquisition to any garden. Clematis Jackmani is another favorite climber, and when grown in combination with Henryi makes a fine contrast. A pretty effect is obtained by planting seeds of *Tropæolum Canariensis*, (or Canary bird vine) near the root of Clematis Jackmani, the delicate yellow heightening the effect of the Clematis royal purple. *C. paniculata* is a fine species. The Chinese Wisterias with their lovely foliage and drooping racemes of pea-shaped flowers, in white or lavender, are well worthy of more extended cultivation. To those who want to pick the sweetest of flowers all summer long, I would say plant Honeysuckle. Those who live in rented homes need not debar themselves from the pleasant hours that can be spent on a vine-clad veranda. There are many annuals which make a quick growth, and afford grateful shade during the hot summer months. *Tropæolum Canariensis*, (before mentioned) Morning Glories, Wild Cucumber, and many others will reach a height of ten or twelve feet by the first of July, and the cost of the seeds is very trifling. A well grown nedge or Sweet Peas is always coveted by flower lovers and growers everywhere. To obtain this, get good seeds in the first place, then sow early in a well prepared trench of rich soil. No flower offers greater attractions to the bouquet maker, as it literally fulfils the saying, "The more you pick, the more you have."

Mrs. J. G. A.

Vancouver, Canada, Feb. 21, 1899.

[NOTE.—The common Hop is a hardy herbaceous perennial worthy of culture as an ornamental vine where an early dense shade is desired. In autumn it is still more attractive on account of its masses of seed cones. Another hardy vine, shrubby in character and somewhat tropical in appearance is the *Aristolochia sipho*. The small, pipe-like flowers appear very early, before the leaves develop, and are curious, though not very showy. The foliage is dense and beautiful. The plants are propagated from seeds.—Ed.]

White Worms.—To destroy the "white worms" which sometimes infest the surface soil of pot plants, let the surface soil become dry, and apply a liquid made by dissolving a half-teaspoonful of saltpetre in a quart of water.

EXPERIENCE WITH FROST-ED PLANTS.

ONE morning about seven o'clock my thermometer in a sheltered place registered 36° below zero. My sixty or more plants were in a bay window about five feet from the hot air register. They looked all right, but when I felt of the earth in the pots I found those standing near the edges of the curtains frozen so solid that I could make no mark on the dirt with my finger nails. About a dozen plants, mostly Roses, were in that condition. I immediately set them into the bath tub and sprinkled them thoroughly with cold water. When they began to thaw all the new leaves and sprouts hung down like little strings. I kept them in the tub till night then set them in the kitchen for twenty-four hours, when they, every one, came up bright and well again—Roses, Geraniums, Pinks, nothing apparently injured in the least. A. F. D.

Bayfield Co., Wis., Mar. 16, 1899.

Dahlias from Seeds.—I have tried planting Dahlia seeds in boxes and in the open ground, and like best planting in the open ground where they are to stay all summer. By fall most of the plants will bloom, if planted early, and will have nice little bulbs or roots that can be lifted and stored in a cave or cellar away from frost. The single ones bloom earliest, and if planted early will be a mass of bloom all fall. They are rank feeders, and like plenty of moisture. Suds from the weekly wash is beneficial. To manure them on our rich black prairie soil will make them grow too rank to bloom well. M. J. S.

Madison Co., Iowa, Apr. 28, 1899.

[NOTE.—Transplanting always retards the blooming period, and it is better to sow seeds where the plants are to bloom, when the plants are late-blooming. Complaints about the late-blooming of *Cosmos*, as well as seedling Dahlias and some other plants would be fewer in number if the seeds were sown early where the plants are to bloom.—Ed.]

My Window Box.—I used a window-box the past winter made to fit the window in which it was placed. It was nine inches in depth, with a zinc covering inside, and a drain cock in the bottom. Then a false bottom was fitted in, which was full of holes. I got moss from the woods and placed around the pots, and by moving a pot I would pour hot water in, after drawing off the water already in. By this means I got the bottom heat and dampness that the plants seem to enjoy. On very cold nights I put a lamp under the box and covered the plants, and none were damaged by cold. Jas. Hussey.

Toronto, Canada, Apr. 27, 1899.

THE BIRTH OF THE DANDELION.

A glittering star, from out a mid-night sky,
Fell to dull earth, whose robes were brown and
sere,
And as it flew into eternal space
Over the slumbering world, it left a trace of its
wild flight,
For in the morning sun, lo! scattered far and
near,
Lay myriad smiling stars, whose dainty bright-
ness
Told us spring was here.
Then murmuring bees sang soft and low,
Kissing each tender flower ablow.

E. St. Clair Millett.

Arapahoe Co., Colo., Mar. 1, 1899.

OFF THE BEATEN TRACK.

LET us have each year the popular "standbys" such as Sweet Peas, Poppies, Pansies and Phlox, but as a means of adding to the pleasure of the flower garden, I suggest that every one try each year, one new plant at least. Not of necessity a novelty, but something new to the cultivator. I well remember some of the pleasant floral acquaintances I have made in this way in years past. One year I grew Schizanthus, the "Butterfly Flower," and a most lovable, dainty plant I found it, giving for months quantities of its oddly formed blossoms, that proved very fine in bouquets. The new Calceolaria-flowered Snapdragon was another happy experiment, suggested by a remembrance of some I once saw growing in an old fashioned garden, when a child. This new sort with mammoth spikes and greater variety of coloring is well worthy of extended popularity. Five bulbs of red Gladiolus were tried one year, and I was so charmed with their ease of culture, quick growth, and plentiful return of bloom, that I fell in love with bulbous plants at once and depend upon them very largely for my garden's success.

This year, among my new acquaintances will be the Maurandya, recommended for window boxes and hanging baskets, Helichrysum monstrosum, a showy, easy-growing, annual everlasting, fine for winter bouquets, and seed of Water Lilies already soaking in a dish of mud and warm water, on the shelf of the kitchen range.

Evelyn W. Brooker.

Oneida Co., N. Y., Feb. 25, 1899.

Chinese Sacred Lily.—I find that the Chinese Sacred Lily gives much better satisfaction planted in earth than in water. Not only is it stronger and more beautiful both in foliage and flower, but it remains in bloom almost twice as long.

Madison Co., Ill.

Edwin H. Ruhl.

CLOSED GENTIAN.

GENTIANA Andrewsii is a most charming wilding, and excites the admiration of everyone who finds it growing in its native haunts. When grown in the garden it loses its charm somewhat, as it seems to suffer in comparison with the more showy flowers growing there. My experience with it as a garden plant is not quite satisfactory, inasmuch as it shows a tendency to dwindle away in time, but I fully intend having it in my collection, even if I have to procure new plants every season or two. This variety is spoken of as being blue, but to me it shows more purple than blue. Thoreau speaks of it as being "a splendid blue—bluer than the bluest sky," while Mrs. Dana finds it a deep blue with purple countenance. I do not find it in the woods and cannot understand why it is so often associated with such localities. I find it in damp meadows, by roadsides, on hillsides and in ravines, but only once have I found it in the woods, and then in an open place, where there was plenty of sunshine. The finest specimen of this plant I have ever seen growing, flourished on a dry hillside and a very steep one at that. I do not object to the buds not opening. That it is one of its most interesting features, if properly considered.

E. H. Norris.

Erie, Pa., April 5, 1899.

[NOTE.—A point in favor of the Closed Gentian is that its rich, showy bloom comes very late in the season, after the frost has destroyed most of our wild flowers.—Ed.]

Grafting Wax.—For top grafting: Take four parts resin, two parts tallow, one and a half parts bees-wax. Melt all together, and pour into cold water. Then work just as you would molasses candy. For root grafting: Take four parts resin, two and one-fourth parts tallow, three-fourths part bees-wax. You can work it with a stick, or with the hands, if you moisten them with a little grease, so it won't stick. The more you work it the softer it gets. It will be ready to use at any time.

Ben Lindauer.

Spencer Co., Ind., Feb. 23, 1899.

Shoo-fly.—The sister from Olivia Pa., is perfectly right. Shoo-fly does not shoo flies away, neither does it bloom in abundance, nor grow in a nice round bush, nor have any of those desirable qualities of the favorite houseplant, but is as unsightly a plant as one could find in ten States. If you want something good that shoo's bugs, get Primula obconica. The plant can be grown from seeds and is dainty and beautiful, very floriferous and cheap.

Lisbon, O., Mar. 12, 1899.

Annt Iris.

SMILE WHENE'ER YOU CAN.

Into my window garden,
One day when winds blew cold,
Begging Queen Calla's pardon,
I brought Miss Marigold;
Out in the frost I found her,
With buds well laden, where
Dead flowers lay all 'round her,
But bravely stood she there.

"Though not your proper station,"
I said, "you'll keep your place;
I am sure your education
Will keep you from disgrace."

The Calla looked so stately
And held her head so high
That Begonia smiled sedately,
And Oxalis winked her eye.

The Primrose blushed demurely;
The Fuchsia hung her head;
They will not quarrel surely,
Since all were too well-bred;
The Cactus looked defiant,
And Amaryllis sneered,
But calm and self-reliant
Miss Marigold appeared.

At first she dressed quite plainly,
In gown of darkest green,
But always neat and cleanly,
And ready to be seen;
But lo! one morn I found her
All decked in shining gold,
While all the flowers around her
Were wondering to behold.

Queen Calla nodded to her,
And Amaryllis smiled,
While Cactus tried to woo her,
She would not be beguiled;
But all their admiration
Ne'er altered her one bit,
Nor for a higher station
Did she seem to care a whit.

But favors rained upon her,
And she was given a seat,
'Twas quite the post of honor,
Right at Queen Calla's feet;
She wears her honors lightly,
They suit her green and gold,
And while she smiles thus brightly
The post she is sure to hold.

But if she had resented
Each scornful look and sneer
I must have soon repented
That I had brought her here;
And had she sulked and pouted,
And hung her head with shame,
I'd quickly have removed her,
And thought her much to blame.

The moral: Do not grumble;
'Tis far the better plan,
E'en if your lot be humble,
To smile whene'er you can;
No matter what the weather,
Or wet or dry or cold,
Don't murmur, but the rather
Smile on like Marigold.

Powhatan Co., Va. Alice R. Corson.

Not unto the high and mighty
Were God's tenderest thought e'er given,
He bids e'en the humblest flowers
Point poor sin-tossed souls to Heaven.

Point Co., Pa. Miss M. McT

ERE THE ROSES BLOOM AGAIN.

Roses blooming as I pass
Fill the air with incense sweet,
Drop their petals on the grass
Just to bless our welcome feet;
Could we know their modest worth,
Could we live as free from pain,
O what joy would come to earth
Ere the Roses bloom again.

Roses fading everywhere,
Only waiting for the tomb,
Lying all forgotten there
In the darkness and the gloom;
Every bud has had its birth,
Bloomed and faded on the plain,
O what grief will come to earth
Ere the Roses bloom again.

Close beside a blooming vine
Stood a maiden young and fair,
In her eyes a light divine,
Roses in her auburn hair,
Songs of peace she sang apart
In a well remembered strain,
Will that peace come o'er my heart
Ere the Roses bloom again?

Oxford Co., Me. W. W. Maxim.

APPLE BLOSSOMS.

When the apple blossoms come
Half hidden 'mongst the budding leaves
Then there comes a soft perfume
Wafted on the summer breeze,
Tender blossoms sweet and fair,
In a dainty pink-flushed spray
Swinging in the soft spring air
In the sunny air of May.

Long the winter was and chill
And the blossoms' sleepy eyes
Now waken to the will
Of the early spring's surprise.
With her warm and joyous breath
Spring has called this bud and bloom
To rosy life, from seeming death—
The prisoners have burst the tomb.

Dickinson Co., Kan. Waif Woodridge.

A FLORAL GIFT.

A dainty breath of Heliotrope,
A breath of Roses sweet,
And, lo! old winter's barren slope
Drops flowers my soul to greet,
And weary mind and aching head
Quiets beneath their spell;
Dear flowers! with chilly skies o'erhead,
Only of Heaven ye tell.

Lilla N. Cushman

Boston, Mass., Apr. 13, 1899.

THE FLOWERS.

The God of Seasons gives each flower its grace,
And bids it beautify some dreary place,
And shed its fragrance on the passing wind.
A gift of sweet that all who seek may find.
Each downy bud yet longs to be a flower,
Though it may bloom for one happy hour,
To praise His name all other names above,
The God of Seasons and the Lord of Love.

Bradford Co., Pa. Deth. Brooming

TROUBLE WITH ASTERS.

THREE years ago I had my first trouble with Asters. At that time I lost a few plants from green aphids at the roots. I used wood ashes for the aphids with success this past year. I have lost five hundred plants by actual count, but the cause was not the aphids. I could not find the cause. The plants grew strong and healthy, but at or near blooming time all new growth came out bleached like Celery and the flowers, without regard to color came out green and dirty white, malformed, and without any claim to beauty. Some branches from below had small flowers of natural color. I shall feel grateful for any information as to the cause and remedy for this Aster trouble.

Mrs. T. J. M.

Arapahoe Co., Col., Mar. 20, 1899.

[NOTE.—The Editor has never had any experience with Asters affected in this way. It would seem, however, judging from the actions of certain kinds of fungus upon plants, that the trouble arises from a fungus. If any reader can give the cause and remedy the information will be gladly received for publication.—Ed.]

The Dahlia Pest.—The insect enemy, spoken of by Cynthia Doring, in the March number, robbed me of all of my Dahlia blossoms last year. Two of my neighbors also complained of the same trouble as that described by the Pennsylvania sister. My Dahlias were planted later than they should have been and the insects attacked the leaves as well as buds, while the latter were quite small. A thorough sprinkling with a commercial insecticide known as "bug death" stopped the ravages of the insect, but too late for the Dahlias to bud and bloom. I think paris green, applied the same as for potatoes, would answer the same purpose if the "bug death" were not obtainable.

Mrs. S. J. Fish.

Cheshire Co., N. H., April 12, 1899.

To Grow Sweet Peas.—Town residents have often asked you information in regard to the culture of Sweet Peas. My success in the past few years has been gratifying. Dig with fork a space a foot or more wide; plant therein two rows of Peas, cover, and then let them alone. Put your sticks a yard high, weave cotton cord in and out until at the top, tie and straighten. Let the first strand be not over three inches from the ground. The little first tendrils will soon clasp the cord, and the plants will grow and bloom. On five yards of vine I cut three hundred blossoms, and still there were beauties left. Sun-dried, cramped city folks, try it and be glad.

Emily E. Dix.

GRAFTING CACTI.

ONE of your subscribers wants to know how to graft Cacti. Take a well rooted stalk of any strong-growing variety and cut off at the height you want your top to start from. Prepare your grafts by shaving the stem end a little, just enough to make it sappy. Now run the point of your knife carefully down in the center of your stalk, being careful not to cut the outer skin. Set in as many grafts as the stalk will hold edge to edge, run a Cactus spine or wooden peg through both stalk and graft to hold the grafts in place. Dust the cut end of the stalk with powdered charcoal or dry dust. Keep the plants in out of the rain until the grafts have united and are growing well, as water may cause the cut stalk to rot. If you have a heavy, three-cornered stalk, you can put in three grafts, one in each wing, and it makes a nice top sooner. If your graft is one of the cushion, or ball varieties, simply cut it square off at the root end to fit the top of the stalk, put a soft string over the top or the graft, and under the pot and tie, leaving this tying on till the graft grows fast. The object of grafting is to get a more thrifty, robust growth of the delicate, small-growing varieties. I have two slender growing Phyllos grafted on *Cereus grandiflorus* stalks, and they seem completely changed in character, making beautiful tops of robust growth. A Crab Cactus grafted on a ten-inch stalk bloomed for me last winter, and was a beautiful object.

Mrs. M. C. Marshall.

Indiana Co., Pa., Mar. 13, 1899.

Wild Roses.—Of all the rich and varied blossoms of the "flowery month of June," the Wild Rose must be owned to be the queen of beauty and fragrance. We have no less than eighteen different kinds in this country—some rare, others common to every hedge and brake. The Dog Rose, *Rosa canina*, so called from the idea that dogs like the scarlet berries, is a lovely flower with a faint sweet scent and delicate pink petals. The Scotch Rose grows on heaths or chalky ground; it is about three feet high, and has dark green leaves and many prickles. The blossoms are of a soft, rich cream color tinged with red. The Sweetbriar or Eglantine is crowded with fragrant leaves and sharp thorns. The blossoms are smaller and of a deeper pink than the common Dog Rose, and the brilliant scarlet berries are much relished by birds.

L. L.

Holt Co., Mo., May 5, 1899.

Zanzibar Balsam.—My Zanzibar Balsam is very handsome, and has been admired by many. It is a bouquet in itself.

Miss L. M.

Worcester Co., Mass., May 5, 1899.



PLANT AND SPIKE OF BLOOM OF GUNNERA SCABRA.

GUNNERA SCABRA.

A HERBACEOUS perennial of wonderful attraction as a foliage plant is *Gunnera scabra*, shown in the engraving. It is a native of South America, hardy in the southern States, and hardy at the North with protection. It is much like a giant Rhubarb in general appearance, the leaves being on long, strong stems, and ribbed and frilled in a handsome manner. The flowers are small, of a reddish color, and borne on a large club-shaped spike. It is propagated by seeds and division, and likes a rich, moist soil, and a warm, sunny situation.

For a sub-tropical group upon the lawn this plant has special merits. The clumps spread out, and become ten feet or more in diameter, and from six to ten feet high, with leaves from three to five feet across.

The huge, club-shaped flower spike adds to its attractiveness. In winter the roots can be protected by a covering of evergreens, which should be removed when the leaves begin to push out in the spring. Avoid early spring frosts by a covering of paper or cloth. Well-grown this plant is as much admired as any of the large-leaved foliage plants, and its rarity, as well as its leaf-dimensions, secure for it enthusiastic praise and admiration.

Lost Variation.—The rich variegation of Gold-leaved Honeysuckle, *Euonymus variegata*, *Cissus heterophylla* and other shrubby vines and plants is promoted by poor soil, dryness and sunshine. Avoid the application of iron filings or an iron-charged soil or fertilizer about the roots, as this heightens the rich green coloring.

THE POPPIES.

We are the Poppy ladies,
The gayest of the gay
Our skirts so broad and ample,
Are ruffled every day!
We stand around in garden,
And floral gossip hear,
Of the "lazy Poppy ladies"
Reported far and near.

Just now we heard a Lily,
A tiger-freckled dame,
Say "Look at those red Poppies,
They are blushing deep for shame;
A Mourning Bride just told me,
And she's a gossip, too,
That all the flowers wonder
If the stories can be true."

The little Pansy people,
Whose eyes are open wide,
And the Mignonette so humble,
And the gallant London pride,
Say "We have watched the Poppies,
So closely every day,
We have never caught them sleeping,
As our tall neighbors say."

Perhaps the gay-dressed Poppies,
With ruffled skirts of red,
Are not a lazy family,
"Always sleeping," as 'tis said.
By the little floral people
That in the garden dwell,
And repeat this silly gossip
For wand'ring winds to tell.

Merrimack Co., N. H. Ray Laurance.

CROZY CANNAS FROM SEEDS.

FEW plants are more popular for bedding than the French Cannas, and we cannot wonder at this when we consider their splendid foliage, brilliant blossoms, and superb tropical growth. They are, moreover, of such easy culture and generous bloom that the average amateur may feel assured of success if only one or two little requisites for their welfare are bountifully provided. A deep, rich soil, and abundant water when the weather is dry will insure such a prodigality of their magnificent blooms that every bed of them will prove a flower-show of itself. The bulbs or roots may be purchased so cheaply that almost everyone may possess at least a few of them. But possession of even one of these beautiful plants is apt to produce a covetous desire for many more, and when one's purse is not any too full the safer plan is to invest in one or two packets of seeds. In this way, too, one may often produce some new and beautiful variety worth more than any number of the old ones, handsome as they are.

Amateurs occasionally have some difficulty in getting the seeds to germinate, but this may be entirely overcome by filing the seeds at one end, and then allowing them to soak in hot water for at least twenty-four hours. Start them early in the house in a shallow box or pan, keep them warm

and moist, and almost every seed will soon send up its baby foliage. A shelf near the kitchen range is a very desirable resting place for these seed boxes, the heat and steam both favoring their development. When well started place them in a warm, sunny window, and transplant into good soil when their growth makes it necessary. Do not plant them out until all danger from frost is over, and then give them a very rich, mellow soil, and abundant room. Give water lavishly, and your seedlings will begin to reward you with their grand spikes of flowers in July, and continue in luxuriant bloom until frost.

Some of the foliage may be bronze-red, some of it bright green, and part of it perhaps bordered with golden yellow. The flowers may be all solid self-colored in vivid scarlets, deep velvety crimsons, pale straw yellow or deep, rich gold. Some of the scarlets and crimsons will be spotted and bordered with golden yellow, and the yellow ones exquisitely splashed and dotted with scarlet. The individual blossoms are often immense, and the heads of bloom enormous, one superb spike following another for months at a time.

Mary Foster Snider.

Wayne Co., Mich., Jan. 9, 1899.

Trailing Arbutus.—I have seen Trailing Arbutus—the dainty, sweet Mayflower, grow in this way: Make a narrow bed or border at the north end of the house, fill it with leaf-mold and rotten leaves, lift your plants very carefully so as not to let the soil fall from the roots. Plant in the prepared bed, settling the soil well about the roots, and drawing the rotten leaves close about the stems, not over the tops. Then if a few loose dry leaves can drift over them in autumn, so much the better. My sister used to grow them in this way: Her bed had a small tree in it, this made more shade, and in this ideal spot the Mayflowers bloomed without knowing they were not in the woods. I have found it best to lift the plants where they grow by the roadside, a little ways out from the woods.

Mrs. M. C. Marshall.

Indiana Co., Pa.

The Spotted Calla.—This, when well grown, is a very beautiful plant, and a very desirable addition to any collection of ornamental foliage plants on account of its beautiful spotted foliage. The flowers which are produced during the plant's season of growth are much smaller than those of the common Calla, and are pure white in color with a purple throat.

Chas. E. Parnell.

Floral Park, N. Y., Mar. 6, 1899.

**DOUBLE RUDBECKIA—
"GOLDEN GLOW."**

I READ in the MAGAZINE of a lady who said she "planted two roots of this in flower pots, and they did no good."

Mine was started in the hot bed and transferred to a border at the northwest corner of the house. The first winter I turned a box over it for protection. Last summer it was a great clump of bushes seven feet high, and the way it bloomed excited the wonder and admiration of all beholders. It is now a clump of roots a foot and a half across. The tops were so heavy with bloom that I had to support it with a strong string, having the ends nailed to the house. I think it is a grand, good, hardy perennial, well worth the attention of anyone wishing a large, blooming plant.

Mrs. M. C. Marshall.

Indiana Co., Pa., Mar. 13, 1899.

[NOTE.—Perhaps too much cannot be said in favor of the new double Rudbeckia as a hardy perennial. It is certainly one of the best herbaceous plants that has been recently introduced. Rudbeckia laciniata, the species from which the double sort originated, is found mostly in meadows and damp or boggy places. The leaves are deeply cut, and the plant grows in great clumps, bearing masses of golden yellow flowers for a long time in autumn. The double variety is just like the original, except that the flowers are perfectly double and make a more gaudy display. A small plant set in the spring will stool out into a fine clump by autumn, will bloom freely, endure the most severe winter, and become more attractive each succeeding season. It will thrive and bloom even under neglect, and is easily transplanted and established. It is a most valuable acquisition, and should be included in the order of everyone who wishes a really handsome and showy hardy perennial.—Ed.]



RUDBECKIA GOLDEN GLOW.

Hoya.—My Hoya carnosa or Wax Vine is five years old. I have it in a five-inch pot that stands on the bottom shelf of my wire stand. It runs over the top arch, and down the other side near the top shelf. It is lovely now, bearing thirty-one clusters of blossoms. The last two years it has bloomed three times in the year—in March, June and September. It needs lots of water when blooming.

Mrs. M. J. Hauxhutt.

Sauk Co., Wis., Apr. 9, 1899.

VINES FOR THE VERANDA.

OUR dining room fronts a public road and has a veranda across the front. There is a good deal of travel on the road, so we determined that we would have some kind of a screen that would combine beauty with utility. Early in the spring we made a bed along the front of the veranda, enriched it well, and planted therein tubers of Madeira and Cinnamon vine and seeds of a vine called here Evening Glory. The leaves of this vine are very large, and much like those of Moon vine, but the flowers, which are about the size of a Morning Glory, are blue and open in the evening. All the vines came up about the same time, and for a while there seemed to be a race to see which should reach the eaves of the veranda first. At this point the Evening Glory shot ahead, and mounted higher and higher, until in an incredibly short time there was a solid wall of green from the ground to the comb of

the house. Such a cool, inviting place it was! We were fully compensated for all our trouble. Every few days we would take the scissors and clip off the branches on the inside. Our beautiful vines were the admiration of the whole neighborhood, and often, sitting there completely hidden from sight, we would hear passers-by comment-

ing on them. What the Evening Glory lacked in fragrance the Madeira supplied.

Some people go into ecstasies over the Cinnamon vine, but I have grown them for years and have never been able to detect the least hint of fragrance. Last year the Cinnamon vine was full of little tubers, growing at the axils of the leaves, but I could not find any flowers. It dies down every winter, but sprouts up in the spring.

Mrs. F. S.

Hopkins Co., Tex., Mar. 14, 1899.

[NOTE.—It is the little clusters of white flowers of the Cinnamon Vine that produce the cinnamon fragrance. These are comparatively rare, as the vines are mostly flowerless.—Ed.]

Saponaria ocymoides.—A year ago the Editor kindly sent me a package of this lovely perennial. Now it is one mass of lovely pink flowers.

Mrs. R. M. H.

Essex Co., N. J., May 18, 1899.

SCALE AND MEALY BUGS.

A CACIA LOPHANTHA, which was my pride among my house plants, and admired by everyone who saw it, died last winter from the ravages of scale and mealy bugs. I tried every remedy I could hear of or think of, but in vain. It certainly is one of the most beautiful plants that I ever saw. Mine was immense. Standing in a tub on the floor, the top almost touched the ceiling, and was a perfect tree in shape. It stood near a Nierembergia, which was covered with scale bugs before I knew what was the matter with it, and the scale spread from the Nierembergia to the Acacia. I picked off the scales, washed the stems with soap suds, kerosene emulsion, and various other preparations and might possibly have conquered them if the mealy bugs had not made their appearance from Oxalis bulbs (planted in the tub), which had grown the year before in a rustic stand with a Coleus, infested with mealy bugs. I gave these miserable creatures baths in alcohol and water, whiskey, camphor, kerosene and soap suds, powdered them with cayenne pepper, snuff, etc., but they or their descendants outlived my poor Acacia, and are now trying to destroy my twenty year old Calla. Of all the insect enemies of house plants, the mealy bugs are the worst that I have had to deal with. They don't even know when they are killed, but start right up in some unexpected place, just when you begin to congratulate yourself that you have gotten the best of them.

Mrs. S. J. Fish.

Cheshire Co., N. H., April 12, 1899.

Anthericum liliago.—This is popularly known as St. Bruno's Lily. It is a native of Southern Europe, and grows about eighteen inches in height. The foliage is grass-like, and the white flowers on long, dense spikes resemble small Lilies. They are fine for cutting, as they possess good lasting qualities. In this latitude the plant is perfectly hardy if given a mulch of coarse, littersy manure as soon as the ground becomes frozen in December. Plant in an open, sunny situation, and a very deep, well-enriched soil, in groups of three to five, keeping them about four inches apart.

Chas. E. Parnell.

Floral Park, N. Y., May 5, 1899.

Date Palm from Seeds.—Purchase five cents' worth of fresh dates of the grocer, and plant the seeds any time during the fall or winter. By the middle of the following May they will begin sending up their little sharp points of lovely green.

E. B. H.

Pecos City, Texas, Apr. 25, 1899.

BEGONIAS AND GLOXINIAS.

A WINDOW filled with Tuberous Begonias was the finest one I saw last fall. The plants were very large and thrifty, and made a grand display with their white, pink, yellow and red blossoms. Never having seen any before, I was, of course, completely captivated by them. A year ago I saw for the first time a Gloxinia in bloom, white with purple throat. These two summer-flowering bulbs have been very highly praised by florists, and justly, I find, now that I have seen them.



GLOXINIAS.

When colored plates of them appeared I thought "they would never equal that with us. It must take greenhouse culture to bring them to such perfection." Now that I have seen them growing I know that we may have just as fine ones with ordinary care, as neither of them had been grown by professional florists. And what beauties! One who has never seen them can really have no idea how lovely they are. I hope many who have never tried them will do so this year. You cannot make a better choice in summer bulbs.

Aunt Eda.

Tioga Co., N. Y., Apr. 24, 1899.

Acacia lophantha.—I have an Acacia lophantha eighteen months from the seed which nearly fills the north window in which it stands with its beautiful, lace-like leaves of delicate green. It is quite hardy, and does best planted out of doors during the summer. When taken into the house it needs plenty of root room, moisture and good drainage. It thrives well in sun or shade. The seeds do not germinate readily. Hot water poured upon the seeds, and allowed to stand until cool will prove a benefit in hastening germination.

H. F. G.

Geauga Co., O., Mar. 27, 1897.

Umbrella Plant.—I plunged my Umbrella Plant, pot and all, into a jardiniere, and poured in water till it reached almost to the top of the clay pot. That was on the 14th of March. To-day by actual count and measurement I find the stems have added two inches to their length, and number three more than at time of moving. But the roots have gone through the aperture at the bottom of the pot, and the ends of the leaves a half inch are turning yellow.

M. I. Wilson.

Suffolk Co., Mass., Apr. 9, 1899.

[NOTE.—The plant needs a larger pot.—Ed.]

HERBS.

SOMEWHERE about almost every home there is a corner or a border that might be given to herbs. And in nearly every home there is some old-fashioned and homely spirit that delights in these treasures of our grandmother's gardens. - Why may we not have lavender-scented bedrooms as they used to have, and why may not a sprig of Rosemary go with some small gift to a friend—pressed between the leaves of a book, it may be, or tied to a photograph? And if there is no longer any sentiment among us why may not our kitchen herbs be grown at home? In old books there are simple recipes for syrups and teas and waters that are good for simple ailments. Some of them are for complexions that are not clear, and others for hair that wants to fall out; and all of them are simple and harmless, and some of them beneficial. Anyway an herb bed is pretty and quaint and interesting. All of the herbs come from seeds. Some of them are perennial, and a few are annuals.

Most herbs should be gathered when they are in bloom and dried in the shade. Sweet Basil is an annual, and the dried herb is like rose-leaves in a pillow. The scent of Lavender drives away flies and other insects. There is an old superstition that a sprig of Dill over the door prevents the coming in of any envious person. The old poets knew the homely virtues of the herbs as well as their pretty meanings. Just why the herbs have fallen into disfavor with latter-day gardeners I cannot tell, but that it should not be so I must insist. So let everybody who wants something attractive, a real bit of grandmother's garden, try an herb border. The plants are of easy culture, else the busy, thrifty old dames who used to love them could never have grown them.

Ellen Frizell Wyckoff.

Iredell Co., N. C., Feb. 3, 1899.

[NOTE.—Small plants of Old Creeping Chamomile, Tansy, Old Man, Old Woman, Lavender, and many other herbs may be obtained by mail of many florists. Get and plant them this month if possible.—Ed.]

Gardenia florida.—This is popularly known as the Cape Jasmine, and is a native of China from whence it was introduced in 1764. It is a great favorite with all who know it, and will give much satisfaction to amateurs, whether grown in the greenhouse or window garden, as it produces an abundance of pure white, sweet-scented, double flowers. It is also said to be quite a favorite plant of the Japanese, who use it for hedges, as well as for planting around their houses.

Chas. E. Parnell.

Floral Park, N. Y., Mar. 6, 1899.

FOREST FLOWERS.

Strolling through the leafy dell,
In the bonnie spring time;
Gathering flowers by the brook,
In the warm May sunshine.
First sweet flowers of the year,
What a treat to gather,
Your sweet fragrance we have missed,
Through the wintry weather.

So with spring we greet again
All your fragrant sweetness,
Lift your tiny faces fair,
In your modest meekness;
Here within this shady nook
Bloom the Violet's ever,
While other flowers of richest hue
From their stems I sever.

Oh, I love the forest flowers,
Love them, yes, most dearly,
And I come to visit all
Of the flowers yearly.
With joyous heart I welcome you,
But you soon will leave me,
Until next year rolls around,
Then again you'll greet me.

Newaygo Co., Mich.

Coral M. Corbin.

AMARYLLIS JOHNSONII.

A WRITER says this Amaryllis blooms in summer and must be kept dry in winter. I have two pots of Amaryllis, and always have flowers in winter as well as in summer. Try this way: When they stop growing and are ready to rest set the pots in a dry place, away from the sun. I put mine on a shelf in the cellar. Do not let them get dust dry, for that sacrifices the large feeding roots. When I see a new leaf peeping up I bring to the room and set at the window, and water with warm water. It is not usually long till you will see the point of a bud stalk. Then give some sort of fertilizer. After the blooming time is over keep them growing as thriftily as possible till new leaves stop coming, then set away for rest. With this treatment I have had three blooming seasons in the year. The bulbs should not be repotted often. My largest bulb has been in the same pot, a narrow gallon crock for at least six years. Once in that time it has been taken out and the soil changed, but the rest of the fertilizing has been done with liquid manure of some kind. I had Amaryllis in bloom in January and February of this year for six weeks.

Mrs. M. C. Marshall.

Indiana Co., Pa., Mar. 13, 1899.

Centaurea Marguerite.—Has anyone tried the new *Centaurea Marguerite*? It is a most desirable annual; the blossoms are not unlike Carnations, and have a very delightful odor. The stems are long and stiff, and the pure white blossoms make an ideal corsage flower.

Mrs. J. G. A.

Vancouver, Canada, Feb. 21, 1899.

GERANIUMS FOR WINTER-BLOOMING.

GERANIUMS do very much better than bulbs for me in the window in winter, and bloom almost constantly. Some of mine are five and six years old; others were slipped last summer. All intended for winter-blooming are kept in pots the year around. The six-year-old plants are now in quart pots. During the summer they stand on the east side of the house, where they get the sun a part of the day. I trim them well back, cutting off every bud, and do not allow a bud to remain on them during the summer. Late in July or early in August I repot them, giving good but not rich soil, and using a size larger pot if needed. Trim back again, giving them water enough to keep them in good condition. Early in September they are placed on the veranda. Late in September they are placed in their winter home. They get accustomed to the indoor air before the fires are started, and never lose their leaves, as is usually the case if brought directly from outside into a heated room. Mine bud and bloom at once. Experience has taught me that to bloom in winter a Geranium needs a small pot, not too rich a soil, and a good summer rest—that is, a non-blooming period. *Mad. Bruant* is a lovely Geranium. H. E. L.

Hartford Co., Conn., May 23, 1899.

My Window Boxes.—I had two window boxes last summer that were greatly admired. They were eight inches wide, and eight inches deep, and as long as the windows are wide. They were placed upon brackets outside, the top even with the window sill. I filled them with dirt, and put in slips of *Wandering Jew* and *Parlor Ivy* to hang over, with *Geraniums*, *Roses*, *Pinks* and *Alyssum*. I kept well watered and picked off the fading flowers. Below each box I planted a row of *Sweet Peas*, and used chicken wire as a support from the ground to the boxes. The *Peas* soon covered the wire, and the vines in the boxes reached down and mingled with them. Both boxes were masses of beauty. When the *Sweet Peas* were through blooming I removed them, and the vines in the boxes reached to the ground.

Mrs. Scoffern.

Lake Co., Ind., Apr. 20, 1899.

Seedling Callas.—The *Spotted Calla* can be raised from seeds. I had one blossom which I let go to seed. After the seeds ripened I planted them, and such quantities of little *Callas* as came up! They did not spot the first year. I think they will blossom this year, they are such large bulbs.

Mrs. C. F. Heinze.

Litchfield Co., Ct. May 5 1899

HOW TO PROPAGATE CACTUSES FROM CUTTINGS.

TAKE a sharp knife and make a clean cut; sprinkle dry, air-slacked lime on the fresh cut, then lay the cutting, cut side up in the sun for three or four days. Then take a small, sharp stick, such as florists use, stick the small end far enough into the Cactus to hold it firm, and put the other end down in the pot of sand. Press it down just far enough to let the cutting rest lightly on the sand. The stick will hold the cutting in place, and if these directions are followed you will never lose any Cactus cuttings. Cactuses will not stand slipping like other plants. Keep the sand moist for cuttings; never allow it to dry, as the new roots will be dried by so doing. Always keep the plants in the hottest sunny window, with plenty of fresh air, and while growing or blooming give lots of water, and spray on top to keep off red spider. You will be surprised at the splendid roots and the rapid growth these unique forms of consolidated vegetation will make. I take pots just large enough to hold the roots, and fill with equal parts of sharp, clean sand and rich loam. Give plenty of water at first potting, then wait until the soil in the pots looks dry, then water thoroughly. Ida Belmer Camp.

Tuscola Co., Mich., May 17, 1899.

The Premium Gloxinias.—One year ago, when I renewed my subscription to the *FLORAL MAGAZINE* two *Gloxinias* were among my premium bulbs. They bloomed last year, and were very fine, but now they are more than fine. One, a lavender and white spotted, is one of the largest and loveliest I ever saw. The blooms measure three and a half inches across, standing erect, and remaining fresh a long time, fully two weeks. The other is spotted blue and white. I counted fifteen blossoms open at one time on one plant, besides no end of buds. I wonder they are not more common, for no house plant gives more in return for its care than the *Gloxinia*. H. E. L.

Hartford Co., Conn., May 23, 1899.

About Gloxinias.—I have good success with *Gloxinias*. One blooming now in a five-inch tin can has over twenty green leaves, twelve flowers, and twenty buds. The flowers are white with purple throat. Another with two flowers and two buds shows different shades of red. This was a tiny bulb last August, which looked as likely to die as to live, but now its blossoms are very large and showy, and, what seems strange to me, the parent plant's flowers were white with a pink throat.

Mrs. J. A. Johnson.

Oxford Co., Me., Apr. 29, 1899.

A SUMMER MORNING.

A song in the southern zephyrs,
A laugh in the gurgling spring.
Fair Lilies adorn the bright summer morn,
Joy pulses through everything.

Champaign Co., O

Anna Bodey.

CULTIVATION OF THE CHRYSANTHEMUM.

THE Chrysanthemum derives its name from the two Greek words, chrysos, gold, and anthos, a flower; hence the literal meaning, gold flower. Here are a few suggestions as regards the pot system. Procure as many good plants as you desire the latter part of May, which if bought from a florist will be in the smallest size pots. These should be changed at once into the four-inch size, and plunged to the rims in the open ground. By the first of July they will need another shift. Use an eight-inch pot for those which have made the strongest growth, and a six-inch pot for those less vigorous. Should you wish nice, symmetrical plants with an abundance of bloom, pinch out the tip of the plant at the first potting, and repeat this from time to time on the new branches as soon as they attain a length of about four inches, continuing until about the first of August, by which time the plants will be well branched. When the buds are the size of small peas rub off all but one at the end of each branch. This will cause the flowers to be larger and of better quality.

In planting directly into the garden the care will be necessary as when the pot system is used. They should then be lifted and potted not later than August 1st, to allow them to become well established in their new quarters before buds begin to form. Lifting after buds have set and exposure to frost are the principal causes of deformed buds. Ida Belmer Camp.

Tuscola Co., Mich.

Cereus flagelliformis.—January 17th a friend gave me a *Cereus flagelliformis* eight years old that had never bloomed, but was of fair size. I repotted in rich soil, put the plant in a south window, and it began growing in five days from the time it was replanted. Each stem has grown four inches, and to-day, April 3rd, I counted sixty-two buds on it. I have the plant in a half-gallon tin bucket, in soil that has very little sand. As I could not get sand I did the next best thing: I pulverized some old plaster and mixed with rich garden soil. I have since planted an *Opuntia microdasys* and *O. Emoryi* in the same mixture. All are growing very fast. I water thoroughly when the soil seems dry. Mrs. M. L. C. Winslow.

Yamhill Co., Ore. Apr 3 1899.

CYPERUS ALTERNIFOLIUS.

EIGHTEEN months ago we planted some seeds of the Umbrella Palm, *Cyperus alternifolius*. They came up rapidly, and were given small pots. After the leaves began to grow we changed them into larger ones, placing one in a glass dish filled with sand. It soon outgrew the dish, and now is growing in an aquarium eighteen inches long and eleven inches deep. Some of the stalks are forty-



four inches in height, and from that down to small ones just starting from the water. It has never stopped growing a single minute since the seed started to grow. As soon as a leaf turns yellow we cut it off, and so give room for the new stalks to grow. It absorbs about three gallons of warm water in a week. It is a magnificent plant, and I only wish every one who loves flowers could see it. Mrs. J. Varince.

Essex Co., Mass., May 1, 1899.

Gloxinia Freak.—We had a *Gloxinia* that flowered last year and we left it in the pot with leaf and flower stems attached, in order to know which was the right side to place on top. This spring we repotted the bulb, and the leaves seemed to start, then blighted. So, after a while we took up the bulb and found a shoot about one and a half inches long on the bottom of the bulb. We turned it over, so that the side that was on top last year is now beneath. Will *Gloxinias* grow from both sides, or is this just a freak?

W. McMullen.

Ont., Can., May 5, 1899.

Chinese Paeony.—The Chinese Paeony thrives and blooms freely in a deep, moist soil on the north side of a picket fence, where it is partially shaded during the heat of the day. Occasionally a young plant will not bloom until well established, even under favorable conditions; but in most cases only a year or two are required to develop good blooming branches.

ABOUT SEEDLINGS.

EACH year our list of "must haves" increases, and the borders of space allotted to the flower garden widens to allow room for a stranger within until the "gude mon" declares he must buy another farm to make room for the potatoes and corn. At this his "better half" merely smiles and asks him to spade up the earth a little farther. He will? Oh, yes; he likes flowers as well as she does.

Tenderly the tiny seeds are laid away in the warm earth, and lovingly cared for when the first leaf appears. Then come the buds; and, oh! how we watch to see what the color will be, for some of our old favorites are uncertain and freaky. One never knows what to expect in the Zinnia. You may have a dozen different shades and colors where you only expected two or three. Snapdragons, also, are inclined to surprise us; at least, Mr. Park's Calceolaria-flowered did. We had them in dark red, clear yellow, almost pure white, and speckled, various shades and markings, and all so lovely! Until last year we thought Phlox Drummondii came true to color, but one particular kind, saved and planted by itself, exhibited several shades of pink and pure white. Pansies, I think, come true in color where each color is kept in a bed by itself, but mixed they gradually intermingle. Geraniums, too, are another surprise. Seeds saved from a choice single pink one produced a plant totally unlike the parent plant except in habit of growth, which was tall and stout. The leaves of the seedling were yellowish green with broad band of dark brown, and the parent plant had bright green leaves with scarcely a mark of brown on them. When a year old, one of the seedlings budded, and how anxiously we watched the unfolding of the flowers. Those of the parent plant were large clusters of good-sized bright pink blossoms, darker at the edge and white in the center. The seedling gave us an equally fine cluster of the palest pink flowers, and bloomed as constantly. By sowing and planting the seeds one is often well repaid for waiting, but the uncertainty does not always please us bustling, hurrying Yankees. We cannot wait so long, and, except the quick-growing annuals, we prefer plants already raised and ready to bloom.

Ionia Co., Mich.

Eva. E. Bignell.

Salpiglossis.—The varieties of large-flowered Salpiglossis will prove a surprise to anyone who has never before grown them. They have large, richly-veined, beautiful blossoms, and are as easily grown as a Marigold.

Anna Davis,

Multnomah Co., Ore., Apr. 29, 1899.

A CHOICE COLLECTION

IF I had to make my choice of ten plants I should select the following: a Sword Fern for its beauty; a Filifera Palm for its grace, and for the rest bulbs of Amaryllis. The Fern and the Palm should have jardinières to sit in, and the Lilies should have a bracket of eight arms. Then I should feel I was an aristocrat. The Fern does well in a sunless place, but it wants care and will not stand cold. The Palm will do well in a light, sunless place, and needs plenty of spraying to keep the leaves free of dust. The Amaryllis will bloom all winter if one has a variety of kinds.

Georgina G. Smith.

Dubuque Co., Iowa., Jan. 13, 1899.

[NOTE.—By proper care the common Amaryllis Johnsonii will produce flowers at almost any season of the year. A dozen blooming-size bulbs should be used. The blooming is chiefly regulated by attention to the time given as the resting period.—Ed.]

Maranta aurantiaca.—This will be found quick-growing, easy to cultivate, and quite a desirable foliage plant. I do not see it listed by northern plant merchants, therefore I think it will prove a novelty to many. One of our prominent southern florists says: "It is not only a very interesting, but a very beautiful foliage plant, producing pretty small white flowers. It soon fills a pot, making a fine specimen, quite distinctive and tropical in appearance, and very effective among other pot plants. It may be bedded out if desired, and will flourish in any position, no matter how poor the soil." Its prettily shaped leaves are delicately veined or marbled with the lighter shades of green, verging towards straw color. It contrasts elegantly with the darker foliages.

Mrs. Butler,

Volusia Co., Fla., Apr. 6, 1899.

Dahlia Pest.—The Dahlia pest has annoyed my Dahlias for the past three years, but not enough to destroy all the flowers. When the buds first appear the insect eats them off or makes holes in them so that they do not open. The buds appearing later in the season are not injured. I do not know of a remedy.

Mrs. W. I.

Montgomery Co., Pa., Apr. 12, 1899.

Pansies.—Lovely Pansies can be raised just by sowing seeds early in the spring in the bed where they are to stay. I raised some last year, and they blossomed until snow came. I shall never raise any more in the house.

Mrs. C. P. Heinze,

Litchfield Co., Conn., May 5, 1899.

JUNE IS COMING!

June is coming' rang the message
From the wild birds far and near;
June is coming' came the answer,
Fairest month of all the year.

June is bringing all her Roses,
Scarlet white and pink and gold,
Soon we'll see their fragrant petals
'Neath the skies of blue unfold.

And the zephyr breezes passing
Carry the perfume away,
To linger in some near-by meadow,
With the scent of new-mown hay.

Bees and butterflies all eager
For the sweets she has in store
In her many bright-hued flowers
That she numbers by the score.

There are other fair, bright sisters,
Some with skies almost as blue,
But you're queen of all the twelve months,
And I'll plight my troth to you.

Lizzie Mowen.

Allen Co., O., Apr. 8, 1899.

A TALK ABOUT CACTUSES.

TO be successful in the culture of Cactuses it requires self-experience, even if it costs dear; but the experience of others will help us to avoid their mistakes and profit by their successes. I find the Cactus family one of the simplest plants there is to handle successfully. All roots of Echinocactus should be cut close to the plant before potting. Place coarse sand under and around the plant, water thoroughly, and set in the sun. It will send out new roots and grow as if it had never been removed from its native haunts. All grafting should be done in the early spring. Globular sorts do not graft as successfully as the columnar. E. C. chloranthus and E. C. dasycanthus lend themselves easily to the experimenter in forming monstrosities. When the plant is growing one mode is to place a heavy weight on the side, pressing it to one side and causing a ceccomb-shape. When collecting I have found plants in that shape, caused by stones pressing them over. By making incisions and inserting stones till the wounds are healed, queer forms result, no two alike. Other plants of globular varieties are found where the original plant has been eaten or cut out, and a cluster of small Cactuses is found growing on the parent stem. I have an E. C. candicans of the above description with two small plants growing in the heart of the mother plant.

When you receive a Cactus in withered place in lukewarm water for half an hour, cut the roots off close to the plant, and pot in soil two-thirds sand and one-third porous loam. Give good drainage, this is the most important caution. After potting, water well, cover the soil with gravel, and set in the sun. Keep the soil barely moist during

the growing season, gradually withholding water in the fall to give them a period of rest. Do not relegate them to the cellar to pass the winter. Cactuses require sunlight in the winter if you desire flowers in the spring. E. C. candicans, E. Wislizenii and most of the Echinocacti will winter without protection in a climate where the temperature does not fall below zero, but most of the species are indigenous to tropical countries, and require protection through the winter.

Mrs. S. L. Pattison.

Otero Co., N. M., Apr. 18, 1899.

Achimenes.—A friend sent me a summer-blooming Gesneraceous plant which was new to me. During the past summer it bloomed constantly. The tubular flowers were of a soft, rich, pinkish-purple color, and they were borne in great numbers. Last fall I placed the box in which the plant grew in a dark, dry closet, under the stairway. Some weeks ago I put the box where dew, rain and sunshine could reach it. The box is now full of little plants.

M. B.

Osteon, Fla., May 15, 1899.

[NOTE.—Achimenes will do well for two years in a rather large-sized pot without disturbing the bulbs. If the soil needs a fertilizer apply liquid manure. The pot should not be crowded, but given a place where the plants will have plenty of light and air. There are other colors of Achimenes, but the one described is the most common, and the variety of that color is the most vigorous and hardy.—Ed.]

Anemone sylvestris.—This is popularly known as the "Snow-drop Anemone," and when properly cared for is one of the most desirable of border plants. It is a native of Asia, and in cultivation grows about ten or twelve inches in height. It has handsome cut foliage, and blooms in profusion, from the middle of April until July. The flowers are borne on clean stems, well up above the foliage. They are cup-shaped, pure white in color, and by some highly prized for cutting. The plant is perfectly hardy and does best when grown in a deep, well-enriched soil, and an open sunny situation.

Chas. E. Parnell.

Floral Park, N. Y., Mar. 6, 1899.

[NOTE.—Anemone Pennsylvanica is similar to the Snow-drop Anemone. The flower is borne upon a long stem, above a whorl of leaves, and blooms in summer. It is a common meadow or forest flower in Pennsylvania and other eastern States.—Ed.]

Saponaria ocymoides.—I wish to say that all the sisters could see the edging plant, Saponaria, of which our Editor sent seeds last year, he would have such a rush of orders for seeds that he could not begin to supply them. What a beauty it is, and so lasting! Mine opened two weeks ago, and is as fresh as at first.

L. B.

Millford, Del., May 23, 1899.

ONE WAY TO ENJOY BALSAM.

LAST summer a large Camellia-flowered Balsam grew in my border just exactly where I could not let it remain without injury to other more valuable plants. It was a magnificent specimen, more than two feet tall, and with its great branches covered with dark red florets almost as large as Roses and quite as double. But it had to go, so I hardened my heart and pulled it up by the roots, and then came the inspiration. The roots with their ball of earth looked so compact and tidy I just slipped them into a one-quart stone butter jar, covered the top with white pebbles and filled the jar with water. I thought it might be possible in this way to retain the beauty for a day or two, but im-



CAMELLIA-FLOWERED BALSAM.

agine my surprise and pleasure when, day after day, new buds unfolded, and the plant continued to flourish as though it had never been disturbed at all. After about three or four weeks I thought I would repeat the experiment, which I did again and again, each time with entire success. One plant was sent to the school house, a distance of half a mile or more, where it brightened the dark room with its gay blossoms. Others were placed in corners here and there, for after being brought in from the border they do not seem to require light. For placing among large plants in decorating churches and other public places where something of good size is required, I am sure their possibilities are unlimited, and I mean to grow them largely this summer for that purpose. I have written at length, because I am sure some of our flora sisters will find new de-

light in the Balsam treated in this way. After their beauty was nearly gone I set the plants in the ground again in an out of the way corner, where many of them ripened their seed. No care whatever is required at any stage. I simply grasped them firmly by the stalk just above the ground, and pulled them as I would a weed. Sometimes I allowed the water to all evaporate from the jar, and then the plants would droop and look almost dead, but a half hour after refilling they would be as sturdy as ever. I wish some one would try them in clay and report.

A. E. C.

Crawford Co., Pa., May 4, 1899.

[NOTE.—It is not generally known that Balsams are desirable plants for winter-blooming in the house or conservatory. For this purpose the seeds are sown early in autumn. They are easily grown in pots, and if placed on a sunny shelf are sure to thrive and bloom.—Ed.]

X Dahlia Pest.—Last season I was very much surprised to find all my Dahlia buds clipped off close to the calyx. Upon investigation I found the trouble to be a small green insect. My plants were literally stripped of buds. I tried insect powder and the pests seemed to enjoy it. Next I used powdered borax, but that did little good, if any. Tobacco tea was also a failure. I used a brush and soap suds. By this time I had only one Dahlia that had escaped the trimming. The bugs were also on my Cannas. Queen Charlotte Canna was their especial delight. I finally decided to try coal oil emulsion. I made it pretty strong and applied early in the morning. I left the plants thoroughly covered (top and under side of leaves and stems) with the mixture for nearly a half hour, then washed in clear water. Two applications cleaned the plants.

Mrs. M. L. C. Winslow.

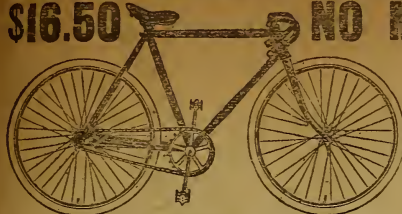
Yamhill Co., Ore., Apr. 3, 1899.

Farfugium grande.—A more beautiful, decorative plant than the Farfugium grande is difficult to name. Its large, round, glossy leaves are a source of pleasure to every flower lover, and while very simple to grow successfully many cannot succeed with it, as the red spider attacks it. In potting it use one-half sand, one-fourth loam, and one-fourth woods earth. Its waxy leaves do not suggest the necessity of plenty of sand and much water, yet such are the requisites. It should sit in a north space, away from sun, and be given plenty of water. If the red-spider attacks it carefully wipe each stem and leaf with kerosene and repot, giving plenty of sand. Farfugium is often called Leopard Begonia, though it does not belong to the Begonia family at all.

Georgina G. Smith.

Dubuque Co., Iowa, May 8, 1899.

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CASH BUYERS' UNION, 162 W. Van Buren St., Dept. 106 Chicago, Ills.

Better Wheels at Lower Prices than Ever Before Offered.

1899 styles shipped C. O. D., subject to examination to anyone, anywhere, in lots of one or more. Our Arlington No. 69 is a high grade, honest made wheel, as near perfection as it can be made and equal to others sold at \$25 to \$35. Equipped with a first class tire, two piece hanger, choice of handle bars, padded saddle, ball bearing throughout, first class in every respect, a wheel fit for a King at the exceedingly low price of **\$16.50.**

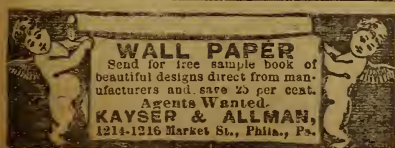
A one year written guarantee goes with it.

A EUROPEAN TRIP.

LETTER NO. 20.

Zurich, in Switzerland, is a quaint old city, densely built and very populous. Almost every house is covered with red tile, the roof being steep, with sharp-angled gables, often with projecting windows upon the side, giving a picturesque appearance. Lake Zurich, a lovely placid body of water projects into the heart of the city where it reflects the brilliant lights which adorn its banks at night, and the charming green of its surroundings in daytime. There are many factories here, and large, finely displayed stores, while the institutions of learning, and the Cathedrals, made famous by their connection with the history of Luther and Zwingli, are especially interesting to those engaged in literary work. I noticed many persons here who seemed to be very poor, but they were not beggars. They were making an effort to earn their living. At the market I found a great variety of fruits and vegetables offered by peasant women. They were sold mostly by weight, and the prices seemed much higher than the prices of such things in the New York markets. I found meat selling at eighty-five cents per pound. The bones were mostly removed in preparing the meat for market, and when anyone purchased some meat a few bones or pieces of bone were added after the weight of the meat was determined. Those who bought seemed to realize the value of the meat, for they bought in very small quantities, and always expected some free bones, according to the amount of meat purchased. The bones, by the way, were altogether devoid of flesh. Apparently there was not even a vestige of gristle upon them, much less flesh of any kind. I was particularly impressed by the skill of the butchers. They handled their tools with wonderful dexterity. I shuddered at first as I saw them strike with their sharp-edged axes and barely miss their fingers. Almost every part of the animal seemed to be used, and the weight was always delicately adjusted. Not the least scrap was wasted by the butchers, and certainly the buyers could not be accused of extravagance, judging from their purchases. I saw beef-heads offered for sale, and apparently in demand. In America perhaps few persons, even the poorest, would accept this part as a gift. There were ragged little boys and girls about the market with split baskets. These, I

'Continued on next page.'



MENTION PARK'S FLORAL MAGAZINE

\$5.00 Platform Counter Scales

FREE

FOR 12 SUBSCRIPTIONS TO PARK'S FLORAL MAGAZINE AT 25 CENTS EACH.



Guaranteed
Absolutely
Correct.

Weigh from $\frac{1}{2}$ oz.
to 240 lbs.

EVERY FAMILY SHOULD HAVE A PAIR OF SCALES

They will save you many times their cost in a few weeks' use. Weigh your grocery and meat purchases. It will pay you to weigh everything you buy and everything you sell.

THESE SCALES RETAIL AT \$5.00 and are

the very best grade on the market. They are all purpose scales combine both platform and counter, and take the place in many ways of a regular platform scale, as they weigh accurately from $\frac{1}{2}$ ounce to 240 lbs. They are made with finest steel bearings, heavy brass beam heavy tin scoop, set of weights, and weigh boxed for shipment 43 lbs.

Special Offer. We will send these **\$5.00 SCALES** and **PARK'S FLORAL MAGAZINE** for one year for **only \$2.75.**

Don't fail to take advantage of this great offer Address

PARK'S FLORAL MAGAZINE,
Libonia, Franklin Co., Pa.



The IDEAL Steam Cooker

Cooks a whole meal over 1 burner, on gasoline, oil, gas, or common cook stove.

Reduces Fuel Bills One-Half.

Makes tough meats tender. Prevents steam and odors. Whistle blows when cooker needs more water. Dinner Sets, Bicycles, Watches, and other Valuable Premiums given with order for Cookers. Send for illustrated catalogue Agents Wanted.
TOLEDO COOKER CO., Box 42, Toledo, O.

\$15.95



ONLY ONE DOLLAR DOWN

Cut this ad. out and send to us with \$1.00 and we will send you this **HIGH GRADE 1299 MODEL \$50.00 VICUNA RICY-CLE** by express, C. O. D., subject to examination. Examine it at your express office and if you find it a genuine 1899 model **HIGH GRADE \$50.00 VICUNA**, the grandest bargain you ever saw or heard of and you are convinced it is worth \$10.00 to \$15.00 more than any wheel advertised by other houses up to \$25.00, pay your express agent the balance, **\$14.95** and express charges.

THE VICUNA

IS COVERED BY A BINDING GUARANTEE. Frame is 22 or 24 inch, made of steel, enameled black, the grandest bargain you ever saw or heard of and you are convinced it is worth \$10.00 to \$15.00 more than any wheel advertised by other houses up to \$25.00, pay your express agent the balance, \$14.95 and express charges.

from best seamless tubing, finest two-piece Denton hanger, finest full ball bearings, Mason arch crown, enameled black, green or maroon, highly nickel finished, Delhi padded saddle, up or down turn handle bars, best Doyle pedals, **HIGH GRADE GUARANTEED REGAL PNEUMATIC TIRES**, fine leather bag, complete with all tools and repair outfit. **ORDER TODAY. YOU CAN MAKE \$50.00 EVERY MONTH SELLING THESE WHEELS AT \$25.00.** (Sears, Roebuck & Co. are thoroughly reliable—**CATALOGUE FREE.**)

SEARS, ROEBUCK & CO., CHICAGO, ILL.

For \$1.00 we furnish a Gas Lamp, the exact same lamp as is now being widely advertised as a premium with a bicycle as a **REGULAR \$4.00 ACETYLENE GAS LAMP**, but we do not guarantee or recommend it.

When answering the above advertisement please mention Park's Floral Magazine.

THE "CLEAN CUT" CAKE-TIN



prevents cakes from sticking and produces a perfect cake. It is made of best quality tin with a flat, thin knife, securely riveted in center and at rim. Simple and durable. Sample sent prepaid on receipt of 15c. Agents send 6 cents postage for free sample. We are the largest manufacturers of Pure Aluminum, Scotch Granite and Tin Ware in the world. Address: Dept. M, HOUSEHOLD NOVELTY WORKS, 25 Randolph St, Chicago, Ill.

TRY THIS PUZZLE

Here is a Puzzle picture of a man who is looking around for his wife. He cannot see her yet she is there in full view, standing near him. Can you find the missing woman? If so, make a mark on the picture with pen or pencil, showing just where she is concealed, clip this out, return to us with only 10 cents to pay for samples of our charming magazines and we will as a special prize send you free the



beautiful Simulation Diamond Ring illustrated here; it is size of a 1 Kt. Diamond, in pretty rolled gold plate ring and will delight you or send your money back. Send strip of paper showing size around finger. Send 10 cents silver to **HARTZ & GRAY, Box 407, New York, N.Y.**



MENTION PARK'S FLORAL MAGAZINE



A PRESENT FOR YOU

This magnificent 14 K. is given free for selling among your friends at 5c. and address and we will on consignment. When mail the handsome bracelet if you cannot sell, the popular Curb Link, 14c. both in pattern and fully engraved and chased, and opens with a very pretty LITTLE KEY. If you prefer a **STERLING SILVER LAID BRACELET** please state so when ordering. The Sterling Silver Laid Bracelet is considered very stylish. We give every man or woman a Solid Gold-laid Bracelet which we will buy back for \$5.00 if not as represented. It is solid gold pattern and unsurpassed for beauty and durability. Remember, we give it free for disposing of 20 cases of our Perfumery at 5 cents per case. **W. S. SIMPSON, Box 180, New York**

SOLID GOLD-laid bracelet only 20 cases of Perfumery a case. Simply send name mail perfumery, postpaid, sold send money and we will lot. We take perfumery The style of the bracelet is and is very neat and attractive. The lock is exquisite design.

It is solid gold pattern and unsurpassed for beauty and durability. Remember, we give it free for disposing of 20 cases of our Perfumery at 5 cents per case. **W. S. SIMPSON, Box 180, New York**

MENTION PARK'S FLORAL MAGAZINE

found, were poor children gathering for their food the larger, coarser bones rejected by the butchers.

The next day, August 3rd, I left Zurich and passed on to Lucerne. This is a beautiful town, situated on both sides of the river Reuss, which issues from the northwestern extremity of Lake Lucerne. All around are charming green fields and hills and mountains, with snow-capped Alpine peaks in the distance. The greater part of the town is composed of fashionable hotels of mammoth size, and the goods mostly dealt in by the merchants consist of jewelry, silk, lace and Swiss souvenirs of various kinds. The waters of Lake Lucerne are clear, dark greenish blue, and between the Lake and many of the popular hotels there is a well-shaded park with lovely flower beds, shrubbery, rustic seats and summerhouses, and here may be seen thousands of people on a bright summer's evening, enjoying the cool, bracing air from the Lake and the glorious panoramic view spread out before them. Probably representatives from all civilized nations could be found in the throng of people gathered here, but apparently the greater part of them are Americans. The English language seems to be very generally spoken by most of them, and as a rule they bear the American stamp upon their features and dress.

There are several old libraries here, and an old covered wooden bridge for pedestrians which runs diagonally across the river. This ancient relic of past ages is adorned with carvings which are imaginary representations of the "Dance of Death." You glance at the truly horrid pictures, shudder at the awful conception of the "artist," and hurry past. One of the things of artistic interest in the place is the monumental lion. This is a carving of a lion of colossal size. It is cut in a huge niche made in the solid rock, and represents the beast in a resting or reclining posture. The rock in which this curious carving appears is almost perpendicular, and has a smooth surface of thirty or forty feet each way. At its base is a pool of water. The figure was made to commemorate the men of the Swiss guard who fell in defence of the Tuilleries in Paris, August 10, 1792. On the hill, just by or above this monumental rock, is the glacial garden and museum, where there are many objects of interest to the visitor. There are many places of amusement open in the evenings, and the town is full of gayety and hilarity night and day. At some places gambling is carried on extensively, and here the women who take part become as much excited and interested as the men.

At the rear of the Hotel Beau Rivage, where I

Continued on next page.]

This Cut is
1-2 Actual
Size of
Watch and
Chain.



Watch and Chain

FOR ONE DAY'S WORK.

We send this Nickel-Plated Watch, also a Chain and Charm to Boys and Girls for selling 1½ dozen packages of **BLUINE** at 10c. each. Send your full address by return mail and we will forward the Bluline, postpaid, and a large Premium List.

No money required. We send the Bluline at our own risk. You go among your neighbors and sell it. Send us the money that you get for it and we send you the Watch, Chain and Charm, prepaid.

This is an American Watch, Nickel-Plated Case, Open Face, Heavy Bevelled Crystal. It is Guaranteed to keep Accurate Time, and with Proper Care should last ten years.

BLUINE CO., Box 386, CONCORD JUNCTION, MASS.

The Old Reliable firm who sell honest goods and give Valuable Premiums.

stopped, was a steep hillside covered with a dense grove of forest trees, while in front, between the hotel and the lake, was the beautiful park already mentioned, with its shady drives and shrubby nooks. Do you wonder, then, that the dear little feathered songsters chose this place for their early morning concert? Oh, the chorus was delightful! And as I sat at my window and listened to the exquisite harmony, the bright sun began to gild the far distant snow-capped mountain peaks and reveal more and more the supernatural beauty of the Swiss landscape spread out before me until the flood of light glorified it, and the splendor was enchanting. As the sweet harmony of the bird-music greeted my ear, and the grandeur of the great landscape my eye, I sat enraptured with admiration. Neither brush nor pen could convey to the minds of others the blissful experience of that hour.

The morning air was cool and stimulating, and I took a stroll out to the country. I soon came to a little, narrow building with a cross on it, and a glass front which revealed a figure of the Virgin Mary and others of the Holy Family. There was no room inside for an attendant, and evidently the place "took care of itself." It was probably designed as a place of worship for the peasants who came to town with their products and to purchase supplies. Further on was a big dairy farm, apparently conducted upon the modern principles of the American dairy. The most novel thing I saw there was a row of cow bells along the overhead beam of the barn. They were of such dimensions as I had never before seen, some almost as large as a farm dinner bell, with belts from four to six inches in breadth. They were apparently made of brass, and were of light weight, considering their huge dimensions. In form they were much like the cow bells used in America.

From the farm I returned to town, passing over another road, so as to enter by an ancient gateway, and view the old wall which, in years gone by surrounded the town to keep out enemies. I estimated the wall to be from forty to fifty feet high, and six feet thick at the top, with huge towers perhaps sixty feet high and twenty-seven feet square, placed at distances of 400 feet. Both wall and towers are covered with red tile. The towers contain rooms which are provided with small windows not unlike port-holes, and were formerly used as prisons, as well as places of protection in time of great danger. The entrance to the town was through the gate beneath one of these towers, and a huge iron gate was so arranged that it could be elevated and lowered by machinery inside. Passing on I took a ride upon the incline railroad, where there is a fine view of the landscape and mountains, and then returned to my hotel, passing over the old covered bridge before mentioned, which is so fearfully decorated. In the afternoon I left Lucerne to visit the more rugged mountainous parts of Switzerland. These my next letter will describe.

Geo. W. Park.

\$14.50 30 DAYS FREE TRIAL



buy direct from factory. Save agents large profits. No money in advance. **WARRANTED 10 YEARS.**

\$45 Arlington Machine for \$34.50

\$35 Arlington Machine for \$12.50

Other Machines \$8.00, \$9.25 and \$11.50

all attachments free, over 100,000 in use. Catalogue and testimonials Free. Write today for special freight offer.

CASH BUYERS' UNION,

158-164 W. Van Buren St., B 106 Chicago, Ill.



Folded QUAKER FOLDING VAPOR BATH CABINET

\$26,000 SOLD. Every home should have one for bathing purposes. It opens the millions of pores, forces out the poisons which cause disease. Makes you clean, vigorous and healthy. Prevents disease. Provides Turkish, hot air and medicated baths at home, 3c. each. Beautifies complexion. Recommended by best physicians. Without drugs it cures bad colds, rheumatism, lagrippe, neuralgia, obesity, female ills, all blood, skin, nerve and kidney troubles. Guaranteed.

Our new 1900 Style has a door, a self-supporting frame, best material, rubber-lined.

Folds small. Weight 5 lbs. Price complete \$5.00.

Folded. Write us. Valuable book, etc., free. Agents wanted, men and women. \$100.00 a month and expense. Address **B. WORLD MFG. CO., Cincinnati, O.**

We recommend above firm as reliable.



8000 BICYCLES

Overstock! Must Be Closed Out.

STANDARD '98 MODELS, guaranteed, \$9.75 to

\$16. Shopworn & second hand wheels, good

as new, \$3 to \$10.

Greatest factory clearing sale.

We ship to anyone on approval

& trial without a cent in advance

EARN A BICYCLE

by helping us advertise our superb line of 1900 models. We give one Rider Agent in each town FREE USE of sample wheel to introduce them. Write at once for our special offer.

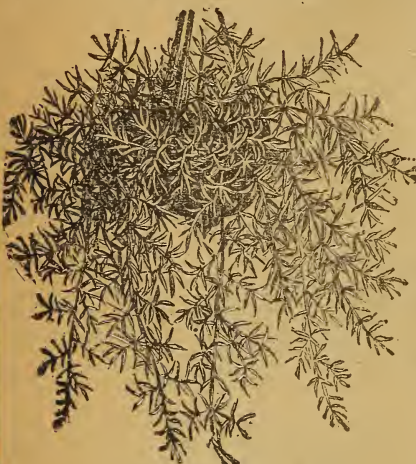
F. S. MEAD CYCLE CO., CHICAGO, ILLS.

MENTION PARK'S FLORAL MAGAZINE

Six Beautiful Plants Free!

PICK THEM OUT.

PARK'S FLORAL MAGAZINE, a copy of which is now before you, is a monthly, entirely floral, illustrated, and full of practical information for the amateur florist. It is, indeed, the flower-lover's own journal, answering his queries, offering exchanges, and posting him about new flowers, new methods of treatment, and telling how to successfully manage all plants grown by the amateur florist. Look over this number and note its character. It will speak for itself. Price only 25 cents a year, and any person subscribing before June 15th may select 6 plants from the following list as a premium.



ASPARAGUS SPRENGERI.

perfectly hardy, will either trail or climb, is not subject to mildew, and is really one of the most beautiful and desirable Roses in cultivation. You may also include the *Boule de Feu Phlox* in the lot with the *Wichuriana Rose*. Price of *Rose alone*, 20 cents.

Persons sending \$2.00 may select 50 plants, including the *Phlox*, *Wichuriana Rose* and a budded plant of the New *Acalypha Sanderiana*, one of the finest plant novelties recently introduced. Price of *Acalypha alone*, 50 cents. Included also in the \$2.00 order you may have the *Ruellia Makoyana*, *Fragrant Calla* and *Asparagus plumosus nanus*.

These plants are all in fine condition, and at present everything listed can be supplied. Should the stock become exhausted of any variety we reserve the right to substitute. Always name a few sorts to be used as substitutes in case of necessity. The plants will be carefully packed in strong, secure boxes, and mailed, postpaid, and safe delivery guaranteed. Subscribe at once, while the premium list is complete. A month later many of the varieties will be taken off the list, because the stock of some sorts will be gone.

Abutilon, Anna, veined.
Eclipse, trailing.

Golden Bells, yellow.

Mesopotamium, trailing.

Variegatum.

Santana, red.

Other choice named sorts.

Acacia lophantha.

Acalypha Macaëana.

Achyranthus, red or yellow.

Lindeni, red foliage.

Achania malvaceus, red.

Agathæa, Blue Paris Daisy.

Ageratum, blue or white.

Althea, double; white, blue,

red or variegated.

Aloysia Lemon Verbena.

Alyssum, double, white.

Note.—The double *Alyssum* is

much superior to the single-

flowered, and is a grand edging

or basket plant, always in bloom.

It is easily started from branches,

and from one plant you can

soon have a fine stock. In a cool

room it is unsurpassed as a winter-

blooming plant. For this

purpose start the branches in

August, and pinch back to make

bushy plants.

Amaryllis atamasco.

Ampelopsis Veitchii.

Quinquefolia.

Anemone Pennsylvanica,

white.

St. Brigid, various colors.

Anemone Japonica rubra,

red.

Anemone Japonica alba.

Note.—This *Anemone* is de-

scribed as hardy by most florists;

It is certainly one of the most

beautiful of all white flowers,

showy, free-blooming, and spot-

less white in color. Of the easi-

est culture. Cover with ever-

green boughs in winter.

Anisophylla goldfussia.

Anthemis, Chamomile.

Aquilegia chrysantha.

Glandulosa, red.

Canadensis.

Cœrulea.

Artillery Plant, fine foliage.

Arabis alpina, fine edging.

Aster, perennial, blue.

Asclepias tuberosa.

Asclepias, red-flowered.

Aubrietia Eyrli.

Begonia Angel's Wing.

Branthia.

Bertha Chateaufrocher.

Carrieri.

Compta.

Foliosa.

Fuchsoides coccinea.

Margaritæ.

Multi flora hybrida.

M. de Lesseps.

Queen of Bedders

Pres. Carnot.

Begonia Robusta.

Souv. de Pres. Guillaume.

Semperflorens rosea.

Sanderstonii.

Thurstonii.

Vittata alba.

Weltoniensis, white.

Weltoniensis, red.

Weltoniensis, cut-leaved.

Begonia, Tuberous.

Giant Red.

" Rose.

" Yellow.

" Scarlet.

" White.

Begonia Rex, Clementine.

Queen Victoria.

In Variety.

Bergamot, scarlet Monarda.

White-flowered.

Bignonia radicans.

Bougainvillea glabra.

Bryophyllum calycinum.

Buxus sempervivum.

Catananche Cœrulea.

Caladium esculentum.

California Privet.

Callirhoe involucrata.

Canna.

Austria.

Italia.

Florence Vaughan.

Burbank.

Paul Marquant.

Other sorts.

Calystegia pubescens.

Sapientum.

Calla Lily, Little Gem.

Capsicum, Little Gem.

Procopp's Giant.

Carnation, Eldorado, yellow.

Early Vienna fl. pl.

Grenadin fl. pl.

Marguerite, white.

Marguerite, mixed.

Puritan, scarlet.

Daybreak, pink.

Lizzie McGowan, white.

Striped, mixed.

Caryopteris mastacanthus.

Celastrus scandens.

Centrosema grandiflora.

Cereus grandiflorus Dr.

Regal.

Cestrum parqui.

Poeticus.

Laurifolium.

Chelone barbata.

Chrysanthemum, Pelican.

Bayard Cutting.

Challenge.

Chas. Davis.

Child of Two Worlds.

Constellation.

Eider Down.

Engelmann Dailedonze.

Golden Wedding.

Joanna.

Lady Playfair

Leslie Ward.

Chrysanthemum Shavings.	Fuchsia Monarch.	Ipomoea Leari.	Pink, Cyclops.
Lewis Boehmer, pink.	Elm City.	Violaeca vera.	Old-fashioned.
Maria Bonifon.	Little Prince.	Iris, Dwarf German.	Picotee, mixed.
Maria Louise.	Funkia, in variety.	Tall German.	Marguerite, white.
Miller's Crimson.	Gaillardia grandiflora.	Kaempferi.	Marguerite, mixed.
Mrs. Carnegie.	Gardenia, Cape Jasmine.	Isoplepis gracilis, grass.	Plumbago capensis alba.
Mrs. E. G. Hill.	NOTE.—Cape Jasmine is one of the grandest of choice Southern evergreen shrubs. The flowers are as large and double as a China Rose, and deliciously fragrant. Every amateur florist should have this plant. Grow out doors at the South, and as a window plant at the North.	Ivy, German or Parlor.	Cerulea.
Mrs. Geo. Ills.		English, hardy.	Polygonatum racemosum.
Mrs. Joseph Rossiter,		English, variegated.	Pomegranate, Jas. Vick.
Mutual Friend.		Kenilworth, for baskets.	Poppo orientale.
Pitcher and Manda.		Jasminum gracilimum.	Potoposporum tobira.
Robt. Bottomly.		Grand Duke.	Primula, Veris, gold-laced.
Yellow Queen.		Grandiflorum.	Floribunda.
Cicuta maculata.		Nudiflorum.	Chinese.
Cinraria hybrida.		Officinalis.	Ranunculus acris fl. pl.
Maritima (Dusty Miller.)		Poicticus.	Rivinia humilis.
Cinnamon Vine.		Justicia speciosa.	Rocket, Sweet.
Cissus heterophylla.		Carnea, pink.	Roses in variety.
Cocoba scandens.		Cocinea, red.	Rudbeckia laciniata fl. pl.
Macrostemma.		Kenilworth Ivy.	Ruellia formosa.
Coccoloba platyclada.		Kerria Japonica.	Russelia juncea.
Clerodendron Balfouri.		Kalmia (Laurel.)	Salvia splendens, scarlet.
Clematis Virginiana.		Lantana, white, pink, yellow.	New Scarlet.
Coleus, Fancy-leaved.		Don Calmet, or Weeping.	Patens, blue.
Cut-leaved.		NOTE.—New Weeping is slender, and an elegant winter-blooming trellis or basket plant.	Rutilans, new.
Commelyna celestis.		Lavender, fragrant.	Sanguinaria canadensis.
Conoclinium coelestinum.		Leonotis leonurus.	Santolina Indica.
Convolvulus Mauritanicus.		Leucanthemum maximum.	Saxifraga sarmentosa.
Coreopsis lanceolata.		Libonia penrhosiensis.	NOTE.—A splendid basket plant; foliage finely marbled; flowers in large panicles.
Coronilla glauca.		Lilac, Persian, cut-leaved.	Sea Onion.
Crassula spatulata.		Common Purple.	Selaginella, moss-like.
Cordata, winter-bloomer.		Common White.	Sedum, hardy, yellow.
Portulacoides.		Linaria cymballaria.	Sedum, for baskets.
Cuphea platycentra.		Lobelia, Royal Purple.	Acre, "Crownfoot."
Tricolor.		Barnard's Perpetual.	Maximoviczii.
Cyclamen Persicum, giant.		Lopesia rosea.	Senecio macroglossis.
Cyperus alternifolius.		Lysimachia, (Moneywort.)	Smilax, Boston.
Cypripedium acaule.		Matricaria capensis.	Solanum azureum.
Dahlia, Mrs. Fell, white.		Mackaya bella.	Dulcamara, vine.
Lady Panzance, yellow,		Madeira Vine, started.	Grandiflorum.
Jaurezii, scarlet.		Mahernia odorata.	Pseudo-capsicum.
A. D. Lavoni, white.		Manettia cordifolia, rare.	Scutellaria pulchella.
Mary Hillier, orange.		Bicolor, scarlet.	Spiraea, Van Houtte.
Matchless, velvety red.		Mandevilla suaveolens.	Prunifolia.
Fern Glass, maroon.		Marguerite Daisy.	Reevesii.
Fern-leaved Beauty, spotted.		Matrimony Vine, hardy.	Stapelia variegata.
Fire King, rich scarlet.		Matricaria capensis alba.	Stevia serrata.
Deutzia gracilis, shrub.		Mesembryanthemum cordifolium.	Serrata variegata.
Crenata fl. pl.		Grandiflorum. [folium]	Strobilanthes Dyerianus.
Pride of Rochester.		Mexican Primrose.	Anisophyllum.
Dielytra cucularia.		Myrica erecta.	Sweet William, double white.
Double Daisy, Ball of Snow.		Michauxia campanulata.	Single white.
Longfellow, pink.		Mimulus cupreus brilliant.	Mutabilis.
NOTE.—The Daisies I offer are vigorous blooming plants, all bearing fine double flowers.		Moschatus, Musk Plant.	Nigrescens, black.
Elecheveria secunda.		Mitchella repens.	Dunett's Crimson.
Eleocharis, Inula.		Muhlenbeckia compacta.	Tacoma Smithii.
Erigeron glabellum.		Myosotis, Forget-me-not.	Thyma, variegated.
Eryanthemum pulchellum.		Myrtus communis.	Tigridia alba.
Eulalia zebrina.		Nicotiana, Jasmine scented.	Tradescantia multicolor.
Eunymus Japonica aurea.		Enothera Missouriensis.	Variegata.
Variegata, hardy.		"Old Bachelor," scented.	Virginica.
Eupatorium riparium.		"Old Maid," scented.	Zebrina.
Fabiana imbricata.		"Old Man," scented, hardy.	Trailing Arbutus.
Fern, Camptosaurus rhizophyllus (Walking Fern.)		"Old Woman," scented.	Tuberose, Double.
Lomaria Gibba.		Orange, Otaheite.	Truperolium peregrinum.
Pteris cretica.		Oxalis, Buttercup.	Veronica imperialis.
Adiantum fulvum.		Floribunda.	Spicata.
Adiantum cuneatum.		Golden Star.	NOTE.—V. spicata is a hardy perennial, bearing long spikes of blue flowers in autumn.
Adiantum grandifolium.		Lasiandra.	Verbena, Hardy Purple.
In variety.		Deppi.	Hydrida, in variety.
Ficus repens, for walls.		Paeony, Chinese, in variety.	Vinca, Hardy Blue.
Forsythia viridissima.		Palm Latania borbonica.	Variegated yellow.
Suspensa, slender.		Pansies, young plants.	Harrisonii, marbled.
Fuchsia, Black Prince.		Parsley, moss-curved.	Rosea, rose.
Arabella Improved.		Passiflora cerulea.	Rosea alba, white.
Dr. Tapinard.		Constance Elliott.	Viola pedata, "Bird's foot."
Fort.		John Spaulding, varieg'd.	Double Russian.
Mrs. E. G. Hill.		Scarlet Hybrid.	English Violas.
Mons. Thibit.		Peperomia maculata.	Lady Helen Campbell.
Molesworth.		Peristrophe ang. variegata.	Mary Louise, sweet.
Oriflame.		NOTE.—One of the finest variegated winter plants; flowers carmine; sure to bloom.	Swanley White.
Phenomenal.		Petunia, double, fringed, in variety, named.	Wahlenbergia.
Procumbens.		Phalaris arundinacea.	Water Hyacinth.
Snow Ferry.		Phlox, perennial, white.	Weigela rosea floribunda.
Speciosa.		Maculata, red.	Yucca filamentosa.
Van der Strauss.			Zephyranthes atamasco.

TERMS.—PARK'S FLORAL MAGAZINE is entirely floral, and I want every flower-lover to be upon its subscription list. I therefore offer a subscription for one year and 6 plants your selection from this list for only 25 cents; or the MAGAZINE for a year and 25 plants your selection for \$1.00. If already a subscriber I will send the MAGAZINE to any address you may suggest. No gift would be appreciated by a flower-loving friend more than a year's subscription to the MAGAZINE. The plants are all in fine condition, and I pack carefully, pay postage, and guarantee safe arrival. Only one plant of a kind allowed to each 25-cent or \$1.00 collection. I reserve the right to substitute, and ask that you name some plants to be used as substitutes should stock of some kinds run short. Address.

GEO. W. PARK, Libonia, Franklin Co., Pa.

A Strange New Shrub that Cures Kidney and Bladder Diseases, Rheumatism, Etc.—Free.



Mrs. Fowler, Locktown, N.J. cures in 30 days. It acts directly on the Kidneys and cures by draining out of the Blood the poisonous Uric Acid, Lithates, etc., which cause the diseased conditions.

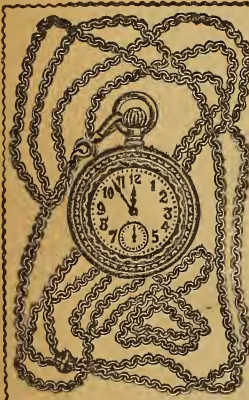
Rev. W. B. Moore, D. D., of Washington, D. C., testifies in the *Christian Advocate*, that it completely cured him of Kidney and Bladder Disease of many years' standing. Hon. R. C. Wood, of Lowell, Ind., writes that in four weeks the Kava-Kava Shrub cured him of Rheumatism and Kidney and Bladder disease after ten years' suffering, the bladder trouble being so great he had to rise ten to twelve times during the night. Many ladies, including Mrs. C. C. Fowler, of Locktown, N. J. and Mrs. James Young of Kent, Ohio, also testify to its wonderful curative powers in Kidney and other disorders peculiar to womanhood.

That you may judge of the value of this Great Discovery for yourself, we will send you one Large Case by mail **FREE** only asking that when cured yourself you will recommend it to others. It is a Sure Specific and cannot fail. Address, the Church Kidney Cure Company, No. 409 Fourth Ave., New York City.

Disorders of the Kidneys and Bladder cause Bright's Disease, Rheumatism, Gravel, Pain in the Back, Bladder Disorders, difficult or too frequent passing water, Dropsy, etc. For these diseases a Positive Specific Cure is found in a new botanical discovery, the wonderful KAVA-KAVA Shrub, called by botanists, the *piper methysticum*, from the Ganges River, East India. It has the extraordinary record of 1,200 hospital

LADIES I Make Big Wages —AT HOME—

and will gladly tell you all about my work. It's very pleasant and will easily pay \$15 weekly. This is no deception. I want no money and will gladly send full particulars to all sending 2c. stamp. MRS. A. H. WIGGINS, Box 23 Benton Harbor, Mich.



NO MONEY WANTED

From Your Own Pocket

BOYS, GIRLS AND LADIES, send us your full address and we will mail you without delay, 25 packages of our Eminent Perfume (in sachet form) to sell among friends at 10 cents each. When sold remit us the money and we will send you, postpaid, for your trouble all of the articles represented and illustrated in this advertisement, viz., GOLD PLATED WATCH and LONG ORENOA CHAIN, a HANDSOME SILVER or GOLD PLATED CHAIN BRACELET (with lock and key) also an engraved GOLD SNELL BAND RING, together with a beautiful imitation DIAMOND SCARF PIN, provided you sell Perfume and make returns within 30 days. This is a bonafide offer made in good faith to honest people who will HUSTLE to sell our Perfume. You run no risk, as we take back all unsold goods. Premium circulars with each consignment which explains all. Order 25 packages Perfume at once and address, PERFUME MFG. CO., BRIDGEWATER, CONN.

NOT A CENT



Diamond Pin.



SILVER

FREE



GOLD

HEMOI VOIT SIR

\$100.00 TO BE GIVEN FOR A NAME

We will give \$100.00 to any person who will arrange the eleven letters in squares into a name of one of the most interesting and extensively read papers in America. No other letters can be used but those given. Should more than one person succeed in finding the correct name the \$100.00 will be equally divided and will be paid July 4, 1899. OTHER PRESENTS.—Upon receipt of your answer, whether right or wrong, you will immediately receive a beautiful present. We want no money from you. Merely send two stamps for postage expenses of present. Our object is to make the "HOME VISITOR" known everywhere and will spend \$500.00 in gifts. Address HOME VISITOR PUBLISHING CO., Home Visitor Bldgs, Philadelphia, Pa.

THE EXCHANGE COLUMN.

I notice complaints about unsatisfactory exchanges. I have made many dear friends through the exchange column, and wish to speak in its favor. There are two sides to every story. Do not expect much for little. Value for value is best. Do not send a few small slips of Geranium or Fuchsia, and look for expensive bulbs or plants that require a year of patient work to grow. If you do ask such an unreasonable exchange enclose a postal or a stamp to know the result, and do not feel offended if you do not get an answer either. I have before me now, in answer to a recent exchange, a package of nineteen Gladiolus bulbs, all extra fine, without the name and address of the sender. I would gladly respond if I could. A written address in one corner of the box would have saved all hard feelings. I have also a box containing six tiny slips of unnamed plants, dried out and lifeless. They were wrapped in cloth. In exchange six of my finest Dahlias were called for. Just think once! Six slips against bulbs I paid from twenty to fifty cents for a year ago. Consider the difference in postage on the package! Yet, no doubt, the good lady will denounce me as a fraud. A little forethought on the part of the sender would easily have convinced her how impracticable the exchange would be. I plead for the column to be left where it is. We need the experience with the Nabys who are ready to swoop down upon us, as well as the acquaintance with those who become warm friends. And, certainly, if our dear Editor is not bald and gray he will soon be so as we continue to bombard his patience.

Mrs. W. B.

Mr. Park—I have found the exchange friends mostly reliable. I often feel ashamed of myself when I get a large package for so small an amount. I have exchanged in every State in the Union except Delaware and Maryland. Those I considered unreliable I thought best not to regard. No, we cannot get along without the exchange column. It does not decrease the florists' sales, but increases the interest in flowers, and creates a greater demand for them. Let the exchange column be continued.

Mrs. M. A. Goss.

Douglas Co., Mo., May 2, 1899.

STARK PAY CASH every WEEK if you sell **STARK TREES**. Outfit free. **STARK BROS. NURSERY, LOUISIANA, MO.,** Rockport, Ill., Dausville, N.Y.



TEA SET FREE

56 PIECES.

Full size for family use, beautifully decorated & most artistic design. A rare chance. You can get this handsome china tea set & one dozen silver plated tea spoons for selling our Pills. We mean what we say & will give this beautiful tea set absolutely free if you comply with the extraordinary offer we send to every person taking advantage of this advertisement. To quickly introduce our Vegetable Pills, a sure cure for constipation, indigestion & torpid liver. If you agree to sell only six boxes of Pills at 25 cts. a box write to-day and we send Pills by mail, when sold send us the money & we send you one dozen Silver plated tea spoons together with our offer of a 56 piece china tea set same day money is received. This is a liberal inducement to every lady in the land and all who received the spoons and tea set for selling our Pills are delighted. **AMERICAN MEDICINE COMPANY, Dept. Y, 30 WEST 13th St., NEW YORK CITY.**

SUPERFLUOUS HAIR REMOVED

I have the right treatment for the removal of undesirable hair from neck, face, arms, etc. Hair may be kept off permanently. I am regular physician of long and successful experience. Will send treatment to you privately at your home and guarantee results. When all other remedies fail write me (enclosing two stamps) and I will convince you, sending you brochures and private letter in plain sealed envelope. Address: Mrs. ANNA D. CROSS, M.D., No. 3 W. 20th St., NEW YORK CITY, N.Y.

When answering the above advertisement please mention Park's Floral Magazine.

YOU BOYS.

He twisted, he turned,
All quiet he spurned,
His back like the back of a camel he humped;
On tables he drummed,
On windows he thrummed,
He hopped, and he jumped, and he thumped, and he bumped!

He wriggled about,
Came in with a shout,
He sat in the cradle where poor dolly lay;
An Indian yell
Most clearly could tell
Where he could be found any time of the day.

He tied, on the spot,
His legs in a knot,
His wee sister cried, looking up from her toys:
"Your'e much like an eel,
But worse a great deal,
I'd rather be ten girls than one of you boys!"

Miss Fannie J. Roberts.

Delaware Co., N. Y., Apr. 29, 1899.

[NOTE.—The little readers of the Floral Magazine will be pleased to know that Miss Roberts will continue to write something for their amusement each month. Look for it in the Children's Corner.—ED.]

CHILDREN'S CORNER.

Mr. Park.—We take your Magazine and I read the Children's Corner. I have a flower garden and I got the seeds from you. I live in the country and go to school a mile from home. I like to go to school. My teacher's name is Mrs. Whitlock. I am ten years old. This is the first letter I have written to the Magazine.

Katherine Major.

Christian Co., Ky., Apr. 24, 1899.

Dear Mr. Park.—I would like to go to Pennsylvania to see your green-houses and all the pretty flowers. I enjoy reading your Magazine, and as soon as the roads get better I will try to secure some more subscribers. I am much pleased with the premium seeds you sent me. Your little flower-loving friend.

Ada Buck.

Saginaw Co., Mich., April 15, 1899.

Dear Mr. Park.—I am a farmer's daughter eleven years old and I like flowers very much, but I like Pansies Sweet Peas and Carnations best. I go to school every day and I am in the fifth reader. I like to go to school. I have four sisters, and their names are Cora, Josie, Belle and Vie. I have no brothers.

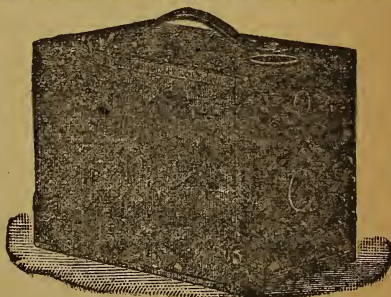
Fern Timmerman.

Valley Co. Neb. Apr. 29 1899

Dear Mr. Park.—We have taken your Magazine for some time and like it. We lost all of our house plants this winter, so Mamma said I could send for some flower seeds. I am going to make a bed of Alyssum and write my name in the blue Ageratum.

Floy Orrison, age 11.

Linn Co. Ia. Apr. 29, 1899.



Only \$2, but worth \$5

Makes Perfect Pictures
3 1-2 x 3 1-2 inches.

The Niagara Camera No. 2,

Covered with black grain Morocco

Neat and compact, carries three double plate holders with capacity of six dry plates; achromatic lens, 1899 automatic safety shutter arranged for time and instantaneous exposures.

\$2 includes Camera, one double plate holder and 32-page instruction book.

It not found to be a bargain and perfectly satisfactory, return it within ten days and we will refund your money.

The Niagara Camera Co., Buffalo, N. Y.

MENTION PARK'S FLORAL MAGAZINE



These Three

Stick or scarf pins, calla lily, bouquet of flowers and lilies of the valley all enameled in appropriate colors, all three sent by mail for 10 cents. Address

HOWARD MFG CO., 626 V. St., Providence, R. I.

MENTION PARK'S FLORAL MAGAZINE

\$5.75 Paid for 1853 Quarterly, \$10.00 paid for 1853 half dollar, \$2.00 for 1856 cent, \$1000 for certain dollar, and other enormous prices given for hundreds of dates and varieties of Old Coins, also Stamps. Don't pay a dollar for a book when we send you Two Complete Books, illustrated, strictly reliable, with names of honest COIN and STAMP DEALERS who will buy of you. The 2 books sent postpaid for only 10c silver or 5c paper. Address, HARTZ & GRAY, Box 407, New York City, N.Y.

MENTION PARK'S FLORAL MAGAZINE

LIFE SAVED BY SWAMP-ROOT.

The Wonderful New Discovery in Medical Science.

Swamp-Root, discovered by the eminent physician and specialist, Dr. Kilmer, has marvelous powers in promptly curing kidney, liver, bladder and uric acid troubles.

Kidney trouble is responsible for more sickness and sudden deaths than any other disease. Your kidneys filter your blood and keep it pure.

By special arrangement, every reader of PARK'S FLORAL MAGAZINE, who has not already tried it, will be sent free by mail, postpaid, a sample bottle of this famous discovery, Swamp-Root, also a book telling more about it and containing some of the thousands upon thousands of testimonial letters received from men and women who owe their good health, in fact, their very lives, to the wonderful curative properties of Swamp-Root.

Be sure and mention reading this generous offer in PARK'S FLORAL MAGAZINE when sending your address to Dr. Kilmer & Co., Binghamton, N. Y.

If you are already convinced that Swamp-Root the great kidney remedy is what you need you can purchase the regular fifty-cent and one-dollar bottles at the drug stores or from medicine dealers.

Costs You Nothing to Try It.

THE NATURAL BODY BRACE

Cures Female Weakness, Restores Health and Vigor.

Curtis, Miss., Sept. 1, 1899.

"The Brace I purchased of you 2 years ago did all that you claimed for it. It cured me of the worst forms of female weakness—falling womb, ovarian troubles, headache, bearing down pains, constipation, inflammation and other things of 20 years' standing. I can never say enough in praise of it. Mrs. Susie Woodard."

Money Refunded if Brace is not Satisfactory. Send for full information and book mailed free in plain, sealed envelope.

THE NATURAL BODY BRACE CO.
Box 196, Salina, Kansas.

Every pregnant woman should have this Brace.

MENTION PARK'S FLORAL MAGAZINE



FREE SHIRT WAIST SET

Rolled Gold Shirt Waist Set FREE. The Latest Style. Wear our Country's flag at all times and honor our soldier boys at the front. Send 10 cents to pay postage.

CURTIN JEWELRY CO., Attleboro, Mass.

MENTION PARK'S FLORAL MAGAZINE



RODS. Spanish Needles, Pocket Goldometers, Earth Mirrors. Catalogue 2c. B. G. STAUFFER, Dept. P. F., Harrisburg, Pa.

CHILDREN'S CORNER.

Dear Mr. Park:—I was twelve years old last January. We live on the Nezperce reservation. Papa took a place out here about a year ago. We have lots of horses and a few head of cattle. We did not raise any flowers last year, because the cattle were running out, but we are going to this summer. There are lots of wild flowers out here. If you ever come out here you must come and visit us. Will you please send me an agent's outfit. Theora Osterhout.

Nezperce Co., Idaho, Apr. 7, 1899.

Dear Mr. Park:—I am a little girl eight years old. I go to school and read in the fourth reader. I have two brothers, one five years old and a baby of three months. He is so sweet. Mamma takes your Magazine. I love to read the Children's Corner. Mattie H. Jones.

Delaware Co., Ohio, March 24, 1899.

Dear Mr. Park:—I write to you for the first time. I am a girl thirteen years old. For pets I have a gray rabbit, a pony whose name is Nancy, two cats, Daisy and Topsy, and a dog, Carlo. I am not very well, and have to amuse myself with flowers. Nellie L. Bedell.

Caledonia Co., Vt., May 5, 1899.

Dear Mr. Park:—We live on a farm of 200 acres. We have twenty-nine little pigs and thirteen little calves. I have two sisters both older than I am. I am eleven years old the 22nd of this month. If you ever happen to be in Riley county come and see me. I live six miles south of Riley, Kansas. Gracie E. Locke.

Riley Co., Kan., Apr. 18, 1899.

Dear Mr. Park:—My mamma takes your Magazine. I like to read the Children's Corner very much. I love flowers, and have a little flower garden. Mamma has quite a number of flowers, and gets some every summer. I am ten years of age, and in the fifth reader at school. I live on a ranch. If you ever come to Lexington come and see me. Bertha Summers.

Morrow Co., Ore., Apr. 5, 1899.

GOSSIP.

Consolation.—I lost all my plants the past winter while necessarily away waiting upon a sick friend. Not long afterward I met a gentleman who consoled (?) me by saying "I should think you would be glad those old flowers were frozen, for now you can get something new."

Mrs. T. E. S.

McLean Co., Ill., March 27, 1899.

I would suggest that Mr. Park, out of sympathy for the curious readers of the Magazine, should have his picture—a half-tone photograph given as a premium. I am sure present subscribers would work hard to secure a likeness of his genial features. Ethel M. Seavey.

Strafford Co., N. H., Apr. 15, 1899.

QUESTIONS.

Butter-fly Orchid.—Will someone give directions for starting seeds of the Butterfly Orchid.—C. L., N. Y.

Butterfly Orchid.—How should the Butterfly Orchid be treated to bloom in summer. I have some growing, but don't know how to treat them.—Mrs. F., Ill.

Pineapple Geranium.—Who will tell us of a Geranium called the Pineapple Geranium? It is said to grow to the height of five feet, and has the scent of Pineapples.—Mrs. E. P., Kansas.

Astrology Reading and Hypnotism Course Free. Full life reading (give birth) and course in Hypnotism sent without cost. It may mean wealth and happiness. You can control minds of others. Send no money. Address ASTRO-HYPNOTIC SCHOOL, Box 1534, Philadelphia, Pa.

SIX DOLLIES FREE.

For one dime we will send our fashion paper 3 mos. and give free SIX HANDSOME DOLLIES, in beautiful designs, ready to work. Right size for use on table. H. HERALD CO., Beaver Springs, Pa.



PUBLISHER'S NOTICES.

Canna Collections.—The Premium Canna Collections of 4 plants and 14 plants cannot be further supplied. Do not call for either of these premiums.

Orders and Premiums.—The publisher still has a file of two hundred or more letters of persons who neglected to give their address. Each of these letters contained money for subscriptions, seeds, etc. Many letters have been taken off this file, the writers giving their address in a letter of complaint. If any have not heard from their letters to the publisher they should write again, and see that their address is carefully given. Their former letters may be upon the "delinquent" file.

Discontinuing Subscriptions.—A reader of the Magazine when renewing her subscription requests discontinuance when the time expires. The request was unnecessary, as the Magazine is always discontinued when the time for which it is paid expires, except, perhaps, a few copies which are sent afterwards to favor the subscriber till renewal is convenient. Such extra copies thus sent are not accounted. Please note that subscriptions to the Floral Magazine are always paid in advance, and subscribers are never troubled with subscription bills.

BRIEF ANSWERS.

Narcissus biflorus.—This is sometimes known as the Twin-flowered Daffodil. It is hardy, and resembles Poet's Narcissus, but each stem bears two flowers. It blooms later than the Poet's Narcissus.

Seedling Lemon.—A seedling lemon will not bear fruit for many years—say ten, fifteen or twenty years. As soon as large enough it is well to have it budded with buds from a bearing tree. A budded tree will bear in two or three years.

DON'T BE HARD UP \$2,000 A YEAR EASY.

Gold, Silver, Nickel & Metal Plating. Gents and Ladies at home or traveling, taking orders, using and selling Prof Gray's Platers, Plates, Watches, Jewelry, Tableware, Bicycles, and all metal goods. No experience, heavy plate, modern methods. We do plating, manufacture outfits, all sizes. Guaranteed. Only outfits complete, all tools, lathes, materials, etc., ready for work. We teach you the art, furnish secrets and formulas FREE. Write today. Testimonials, samples, etc. FREE. C. GRAY & CO., PLATING WORKS, 8, Cincinnati, O.

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Men's and Women's High Grade Bicycles, Watches, Sewing Machines, Furniture, Cameras, Mandolins, Shoes, Tea Sets, Guns, etc., etc., can be earned by a few hours work introducing our high grade Toilet Soaps among your friends and neighbors. No money required. We trust you. Write for our handsome illustrated catalog of over 100 premiums and full information at once. Address: BULLOCK, WARD & CO. #26-323 Dearborn St., CHICAGO, ILL.

AGENTS WANTED! We furnish samples free to agents. F. S. Frost Lubec, Me., sold \$132.79, retail, in 6 days. Write for Catalog, new goods, rapid sellers. Richardson Mfg. Co., 2nd St., Bath, N.Y.

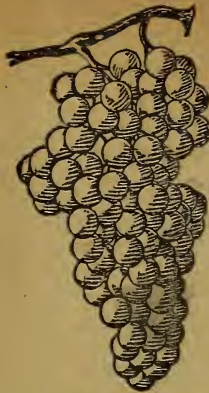
748 Hold to Light. Hidden Name and Silk Fringe, Button Buster, Pins, Envelope, Jokers, Songs, Flirtations, Magic Rings, Beau Catcher, Love & Escort C's with ag's sample book, all 26. BUCKEYE CARD CO., Laceyville, Ohio

\$13.25 BUYS A \$25.00 BICYCLE Don't buy a bicycle before you write for our 1899 Catalogue. 2nd hand wheels from \$5.00 up. NO MONEY REQUIRED in Advance. Address VICTOR MAN'FG CO. Dept. G 19, 295 and 297 Fifth Ave., Chicago, Ill.

DON'T MISS THIS To introduce our Perfume, we will send a case postpaid for 12 cents. We will mail with it absolutely free, a beautiful gold plated Garnet and Opal Ring, simulation. Send 12c. in stamp; we will delight you. HARTZ & GRAY, Box 407, New York.

A JOB 4 U \$8 per 100 paid for distributing samples of washing fluid. Send 6c. stps. A. W. Scott, Cohoes, N.Y.

\$150.00 CASH PRIZE You Can Win



this money if you can correctly count the number of Grapes visible in this bunch. Try it and see if you can win. If your count is correct we will give you \$150.00. We do not want any of your money and we have only one condition which you can easily comply with in an hour's time. We will write you all about it as soon as your answer is received. If you can send us the exact number, we want to know who you are. It looks easy. Try it! You are only to count the number of Grapes which you can see. If more than one person sends the correct number, the money will be equally divided and will be paid

August 31, 1899. Send no money with your answer. After you have counted the number of Grapes, write us at once, simply agreeing that if you win you will devote to our business a few hours of your time. Remember, there is no other condition. This is a truly liberal offer. Try and win the money. As soon as you have made your count, send us your answer. Who knows but that you will get the money? As soon as we receive your answer we will at once notify you if you have won. We hope that you will be successful. As we are going to give away the money whether you write us or not, you may as well try and win yourself. Address, COLONIAL TRADING COMPANY, 114 Smith Building, Boston, Mass.



NO DIRT LEFT

in clothes washed with the "BUSY BEE WASHER" 100 pieces in one hour and no hard work done. That is the record. AGENTS WANTED. Exclusive sale. Write for terms, Lake Erie Mfg. Co., 126 E. 13 St., Erie, Pa.

FREE TO AGENTS

NEW IDEAL CAKE SPOON will stir cake or mix bread in 1/2 time. Used 1000 ways. Sells for 15 cts. Regular mortgage raiser for agents. His Profit. Send 10 cts for postage and Catalog of Aluminum, Silverware etc. B. Vining Novelty Works, 60 Wabash Av., Chicago.



Fine gold plate, elegantly engraved. We send a set of 4 Beauty Pins by mail for 10 cents. Catalogue free. Address F. HOWARD MFG CO. PROVIDENCE, R. I.

BEES! BEES! BEES! and how to MAKE MONEY with them as taught by GLEANINGS IN BEE CULTURE. It is a handsome illustrated magazine and we send free sample copy with Book on Bee Culture and Book on Bee Supplies to all who name this paper in writing. THE A. I. ROOT CO. - MEDINA OHIO.

Made-to-Order Corsets, dress skirts, Petticoats. Lady agents wanted to handle our goods. H. A. THOMAS & CO., NILES, MICH.

SECRET SOCIETY FOR BOYS. Full information at the Great C. M. A. FREE. Send us Names of 5 Boy Friends. Address with stamp THE STAR, Box B-7, OAK PARK, ILL.

Salary \$780 and Expenses Straight, bona fide, paid trustworthy persons Monthly to travel for responsible, reliable house. Reference. Enclose self-addressed, stamped envelope. THE DOMINION COMPANY, Dept. B24, Chicago.

BICYCLE FREE OR CASH TO ANY ONE distributing my soaps, etc. I trust you. F. Parker, 277 E. Madison St., Chicago, Ill.

SEND NO MONEY

WITH YOUR ORDER, cut this ad. out and send to us, and we will send you OUR HIGH GRADE DROP CABINET BURDICK SEWING MACHINE by freight C. O. D. subject to examination. You can examine it at your nearest freight depot and if

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BEWARE OF IMITATIONS by unknown concerns who copy our advertisements, offering unknown machines under various names, with various inducements. Write some friend in Chicago and learn who are **RELIABLE AND WHO ARE NOT.**

THE BURDICK

DEFECTS OF NONE. MADE BY THE BEST MAKER IN AMERICA, FROM THE BEST MATERIAL



your freight agent the **\$15.50**. WE **WARRANT** YOUR **\$15.50** if at any time within three months you say you are not satisfied. **ORDER TO DAY. DON'T DELAY.** (Sears, Roebuck & Co. are thoroughly reliable.

Address, **SEARS, ROEBUCK & CO. (Inc.) Chicago, Ill.**

MONEY CAN BUY

SOLID QUARTER SAWED OAK DROP DESK CABINET, one illustration shows machine closed, (head dropping from sight) to be used as a center table, stand or desk, the other open with full length table and head in place for sewing, 4 fancy drawers, latest 1899 skeleton frame, carved, paneled, embossed and decorated cabinet finish, finest nickel drawer pulls, rests on 4 casters, ball bearing adjustable treadle, genuine Smyth iron stand.

Finest large High Arm head, positive four motion feed, self threading vibrating shuttle, automatic bobbin winder, adjustable bearings, patent tension liberator, improved loose wheel, adjustable presser foot, improved shuttle carrier, patent needle bar, patent dress guard, head is handsomely decorated and ornamented and beautifully NICKEL TRIMMED.

GUARANTEED the lightest running, most durable and nearest noiseless machine ever known. Every known attachment is furnished and our Free Instruction Book tells just how anyone can run it and do either plain or any kind of fancy work. **A 20-YEARS' BINDING GUARANTEE** is sent with every machine. **IT COSTS YOU NOTHING** to see and examine this machine, compare it with those your storekeeper sells at \$40.00 to \$60.00, and then if convinced you are saving \$25.00 to \$40.00, pay your freight agent the **\$15.50**. WE **WARRANT** YOUR **\$15.50** if at any time within three months you say you are not satisfied. **ORDER TO DAY. DON'T DELAY.** (Sears, Roebuck & Co. are thoroughly reliable.

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For many years Mr. Frederick Roemer, of Germany, has given the Pansy special attention, and has developed a race which, for size, variety and attractiveness cannot be surpassed. The plants are of thrifty, compact habit, and the flowers of enormous size, and exhibit wonderful colors and rich variegations. There are no finer Pansies in the world than Roemer's Giant Prize, and I offer a collection of 10 packets, embracing all shades and variegations, as a premium to anyone paying 25 cents for a year's subscription to the **FLORAL MAGAZINE**, as follows:

White in variety, embracing pure white, white with eye, white slightly shaded and tinted, white with spots, etc.
Red in variety, embracing bright red, rosy red, rich scarlet, and red with tints and shadings, etc.
Blue in variety, embracing dark blue, dark violet, rich purple, and blue margined and shaded and blotched.
Black in variety, embracing coal black, black blue, dark violet blue, jet black, purplish black, etc.
Yellow in variety, embracing rich pure yellow, golden yellow, yellow with eye, yellow with spots, etc.
Striped and Flaked, embracing a great variety of colors, all distinctly striped, flaked and splashed.

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If you are already a subscriber you can have the **MAGAZINE** sent to any flower-loving friend. It will be appreciated. If you wish a grand bed of Pansies next spring—a bed rivaling the Tulips in show and beauty, sow the seeds during summer. Try it. You will be astonished and delighted with the result. Address **GEO. W. PARK, Libonia, Franklin Co., Pa.**

MAGAZINE APPRECIATED.

Dear Mr. Park:—Your bright little Magazine I appreciate very much for the instruction that it gives. I have found it very helpful, and would not do without it. Mrs. Owens.

New York City, Mar. 23, 1899.

Mr. Park:—I hereby renew my subscription to your Floral Magazine. I've become too much attached to it to do without it. I've read its many letters from time to time till I feel as though it is really a personal friend who writes to me. Your little Magazine doesn't seem a bit formal, or beyond the comprehension of even a child, in the advice it gives us. May God bless you in your floral labors. Mrs. K. C. T.

Mississippi Co., Ark., Mar. 31, 1899.

Mr. Park:—We like your paper very much, and do not do without it. It is the best floral paper I have ever read. I am a great lover of flowers. Mrs. E. M.

Bristol, Conn., Feb. 4, 1899.

"WHAT MANNER OF MAN."

My idea of Mr. Park is that he is quite tall (six feet or over), with kind blue eyes, brown hair slightly streaked with gray, and perhaps a little bald; well built, but not very fat, for the exercise he must take in caring for his greenhouses and gardens would not allow a surplus of flesh. As to disposition kind and generous, or, as folks say, "easy to get along with," and I believe, a true Christian man. Is my idea correct?

Mrs. N. G. J.

Hampden Co., Mass., Apr. 24, 1899.

Reading in the Magazine of the floral sister's dream reminds me that I, too, dreamed of seeing and talking with Mr. Park. I thought him of medium size, black hair, black mustache, deep brown eyes, and about forty years of age.

Mrs. J. O. G.

Gentry Co., Mo., Mar. 28, 1899.

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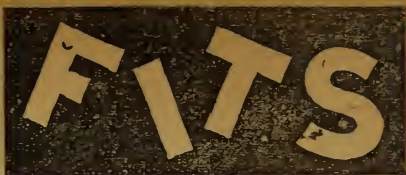
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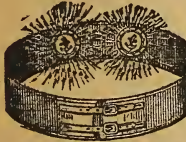
Dr. E. H. Suhl, Fayetteville, Mo., says: "The book is a revelation to me. The knowledge is invaluable."

Geo. MacIntyre, 1504 Eighth Avenue, Brooklyn, N. Y., states: "The information you gave has enabled me to obtain a splendid position for which I had long sought in vain."

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FAT-FOLKS Saugerties, N. Y., Feb'y 24, '97. "I lost 26 pounds in 28 days." Miss—, Phila., Pa., Jan. 15, '97. "I have reduced from 235 to 190 lbs. in 3 months." Mrs.—. Reduce your weight. No dieting or purgatives. Harmless, and endorsed by physicians. 15 days' treatment sent free to every earnest sufferer. Dr. E. K. Lynton, 19 Park Place, New York.



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MENTION PARK'S FLORAL MAGAZINE.

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DICTED BY ASTROLOGY.** Send TIME of BIRTH, SEX & 10c. for Written Prediction. PROF. BENFREW, MEDFORD, MASS.

An Old Patron—Friend Park: I wonder if I'm not about your oldest customer? I bought of you when you made your envelopes by hand, and wrote on them with pen the kind of seeds therein "Things are different now." Geo H Lyons.

Susq. Co., Pa. Apr 24, 1899.
[NOTE.—When a boy at the old homestead, the writer remembers distinctly the name of this esteemed patron and friend, and the handsome manner in which he always addressed his letters. Since then his letters are looked for and recognized each season, and the long-continued patronage has grown into a mutual friendship which is a source of real pleasure to the seedman as well as his patron—a friendship that will doubtless last until death shall remove one of the friends. May that day be far distant!—Ed.]

Mr. Park:—The premium bulbs came all right and are growing, but the Magazine does not come. Now, we need it—should have it—and insist on having it. In fact the children cry for it. An aching void has been created which nothing can fill but your Magazine. Send it to the same address as last year. Mrs. S. H. G.

Crow-wing Co., Minn., Apr. 23, 1899.
Mr. Park:—I have read your Magazine with pleasure and profit for the last three years. I think it is just fine. It tells so many things that we who raise flowers for pleasure wish to know! I enjoy reading the European trip. Forest Co., Pa. Juna Rudolph.

Mr. Park:—I write to tell you about my premium Tulip bulbs which you sent me last fall. They are blooming to perfection, and to say I am pleased with them doesn't express it. They are much admired by everyone who sees them, and my neighbor also has a bed of your premium bulbs, and we are so delighted with them. I guess we will have to order some more next fall. Miss Carrie K. Green.

Campbell Co., Ky., Apr. 26, 1899.

Mr. Park:—I renew my subscription to the Floral Magazine, which I think a gem in its way—and, by the way, gems are generally small. I hope you will only add more leaves, instead of enlarging the pages. B. B. Rochester, Minn., May 10, 1899.

CATARRH AND CONSUMPTION

I have spent nearly fifty years in the treatment of the above named diseases, and believe I have effected more genuine cures than any specialist in the history of medicine. As I must soon retire from active life I will, from this time on, send the means of treatment and cure, as used in my practice, **FREE** and post-paid to every reader of this paper who suffers from these annoying and dangerous diseases. This is a sincere offer which anyone is free to accept. Address **Prof. J. H. LAWRENCE, 114 W. 32d St., New York.**

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EXCHANGES.

NOTICE.—Each subscriber is allowed three lines one time in twelve months. Every exchange must be wholly floral. Insertion not guaranteed in any certain month. Right reserved to exclude any exchange, or suit it down as the exigencies of space demand. All lines over three must be paid for at advertising rates. All letters received should be answered in order to avoid misunderstanding and dissatisfaction.

Mrs. Geo. W. Mankin, Falls Church, Va., has Narcissus, Phlox, Honeysuckles, Chrysanthemums to ex. for Achimenes, white Wisteria or Tuberous Begonias.

Mrs. E. Frances Eggleston, Andover, N. Y., will ex. plants, bulbs and seeds for native southern plants or seeds.

Mrs. P. G. King, Eaton, Ill., will ex. Spring Beauties and Jack-in-the-Pulpit for other flowers.

Amanda Parsons, E. Gloucester, Mass., has Golden Glow, Garden Heliotrope, and others to ex. for plants not in her collection.

Mrs. M. F. Marsh, La Grange, Me., has Saraccenia and seeds to ex. for Lilies and other plants.

Mrs. A. Grayson, McLaurin, Miss., has Lima Beans to ex. for Tuberose, Gem Calla or choice pot flowers.

Mrs. L. W. Harding, Essex, Conn., has many hardy plants to ex. for Cacti.

Mrs. H. McMahan, Bundysburg, O., will ex. twelve Lemoine Gladiolus for twelve blooming size Tulips, any color; don't write.

Mrs. A. Bradshaw, Ancaster, Ont., Can., will ex. native Ferns, seeds and plants for seeds, plants and bulbs not in her collection; write.

Mrs. Geo. McLaughlin, Curtner Ave., San Jose, Cal., has native Wild Lily bulbs to ex. for Birdsfoot Violet or wild Lady's Slipper roots; write.

E. B. Holcomb, Pecos City, Texas, will ex. Fairy Queen Chrysanthemum for Rudbeckia or hardy Roses.

Mrs. Hanson, 489 Main St., Athol, Mass., will ex. Gloxinias, Little Gem Calla and Tuberose for Palms, Chinese Primrose and Oleander; don't write.

Mrs. Clara Roberts, Aberdeen, Miss., will ex. Shoo-fly, Chinese Lantern, Begonia, Palm and other seeds for house and hardy plants.

Mrs. H. Manson, Fishon's Ferry, Me., will ex. Geranium slips, purple Heliotrope and flower seeds for seeds for Parfugium, Wax Ivy, Cacti, Jasmine; send.

Mrs. W. R. Stinson, Princeton, Tex., has Marigold, Phlox, and Cypress seeds and Dew Plant to ex. for Cape Jasmine, named Chrysanthemums, Lilacs; send.

Mrs. W. A. Fuller, Fenton, Mich., will ex. Per. Pea, white Lilac, Trumpet Vine, Peony-flow. Aster seeds for house plants, Dahlia, Gladioli and Ger. Iris.

Mrs. J. W. Baker, North Weare, N. H., will ex. 6 Scarlet Runner beans for 2 bulbs of Tulip or Snowball.

J. Watkins, 477 Gladstone Ave., Ottawa, Ont., Can., will ex. Begonias for Cactuses; write.

Mrs. Henry Vas, Box 1, Freeland, Mich., will ex. double white Narcissus for other bulbs or Hydrangea; write first.

Mrs. S. T. Likens, Amity, Ore., has Crown Imperial seeds and choice bulbs to ex. for other choice bulbs, Roses, Lilies and other plants; write first.

Mrs. W. L. Peters, Senatobia, Miss., will ex. hardy bulbs for house plants; write first.

Mrs. Wm. P. Taylor, Eastville, Va., will ex. Callas and Geranium slips for Oxalis, winter blooming, any color.

Mrs. Geo. Wilson, Nashville, Okla., has Cactuses to ex. for others not in her collection.

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When I say I cure I do not mean merely to stop them for a time and then have them return again. I mean a radical cure. I have made the disease of FITS, EPILEPSY or FALLING SICKNESS a life-long study. I warrant my remedy to cure the worst cases. Because others have failed is no reason for not now receiving a cure. Send at once for a treatise and a Free Bottle of my infallible remedy. Give Express and Post Office.

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IN life, as in journeys, it is a great deal easier to go down hill than up.

Not only is woman naturally man's inferior in physical strength and vigor, but her environment and the unwritten but universally accepted laws governing her daily life, are such as to keep her life and health in almost constant jeopardy.

Popular taste demands that she possess a neat, trim figure, and to meet this demand she must wear light apparel, and resort to methods for compressing the lower chest walls that certainly do not contribute to her health or comfort.

"There is life in the air we breathe," and to get one's full share of life and strength, the lungs, the great purifying laboratory of the body, must have full scope for action. Any compression of the chest walls robs the lungs of a corresponding amount of space and interferes with their action.

Such compression also seriously affects the heart, which is the great engine that supplies power and action to the lungs.

To insure health and supply the body with necessary oxygen the air must penetrate every nook and corner of the lungs, and when it fails to do so such parts as are not reached waste away and die. There is then a general collapse of the chest wall, which excludes the air from other parts of the lungs.

The breathing space becomes more restricted and the tendency to "catch cold" or take on disease is proportionately increased.

This accounts for the fact that women take cold more easily and more frequently than men.

And yet the average woman doesn't get sufficient physical exercise. Her duties to her children or the requirements of her household keep her too much indoors. She doesn't get her share of oxygen and ozone—the two greatest life-supporters—without which she cannot have enough red matter in her blood to keep the healthy glow in her cheeks, the elasticity in her step and the vim and vigor that should be hers.

Her blood is further weakened each month by the loss of more or less of the elements of that vital fluid which must be replaced, or wreck and constitutional ruin must come on sooner or later.

All these dangers by which women are constantly surrounded may be avoided, and the safety of the lungs insured by putting on flesh—making them fat, for fat makes rich blood, which gives them strength and vigor to throw off all forms of lung troubles, coughs, colds, consumption and other wasting diseases.

The Dr. Slocum System of Treatment is compounded for this purpose, and it does its work promptly, faithfully and effectually.

This Treatment consists of Four Preparations which work harmoniously and energetically together, building up the entire body, strengthening the lungs, enriching the blood and infusing new life and vigor into every organ and tissue.

The Dr. Slocum Treatment is pleasant to take, and its effects are prompt and lasting. It soothes the inflamed throat and lungs, relieves shortness of breath, stops hacking cough and brings rest and refreshing sleep to the sufferer.

No single remedy will meet and combat all the symptoms in consumption and other diseases of the chest and lungs. This is the reason Dr. Slocum uses Four Preparations in his Treatment—a soothing application for the nose and throat; a healing, quieting mixture for the cough and bronchial irritation, a powerful stomachic and tonic, and a nourishing, strengthening, invigorating food that puts on flesh and strength, hardens the muscles and restores the lungs to their normal health and vigor.

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